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39TH CONGRESS, }  
2d Session. }

HOUSE OF REPRESENTATIVES.

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ANNUAL REPORT

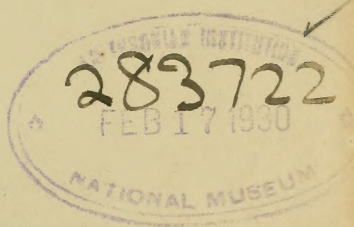
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FOR

THE YEAR 1866.

VOLUME III.



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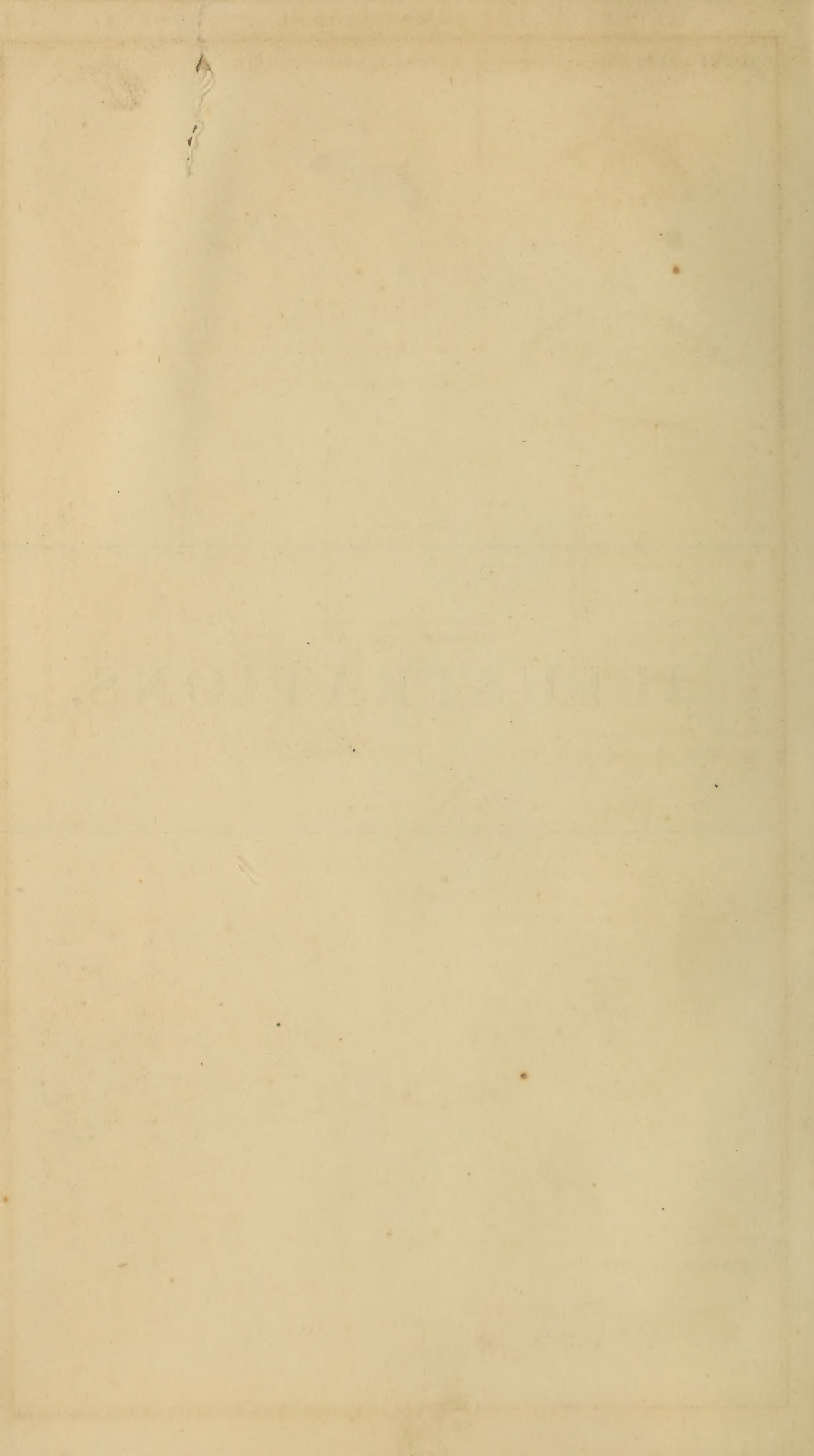


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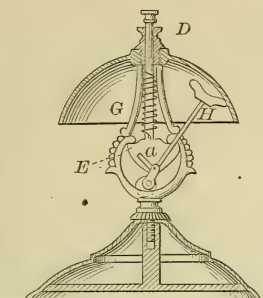
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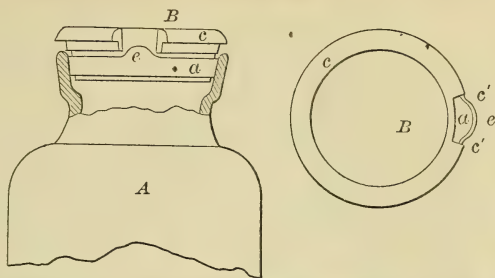




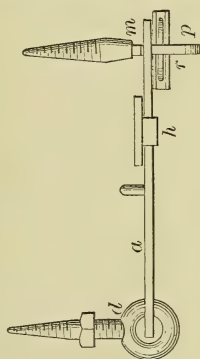
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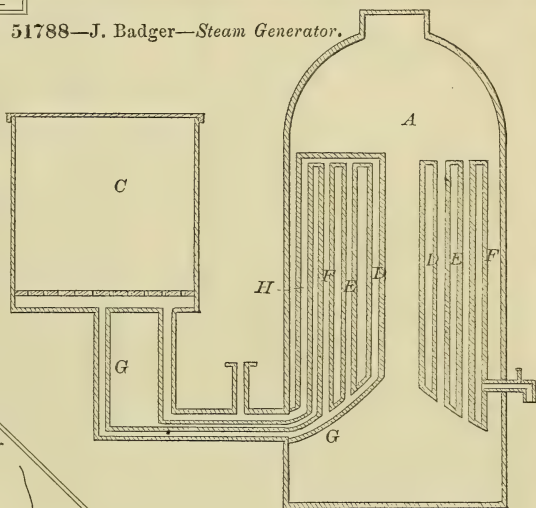
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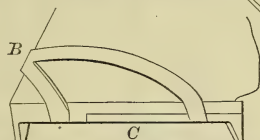
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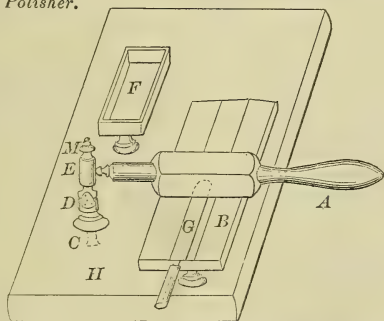
51788—J. Badger—*Steam Generator*.



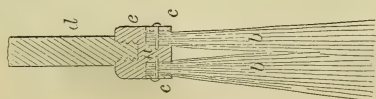
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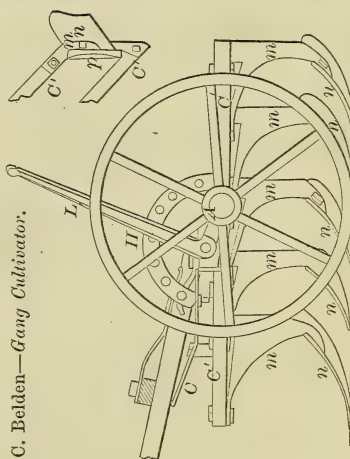
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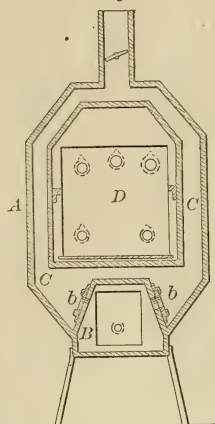
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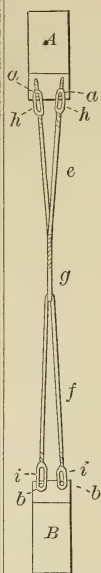
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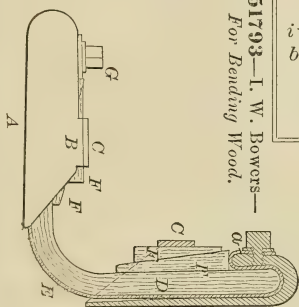
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Dryer.



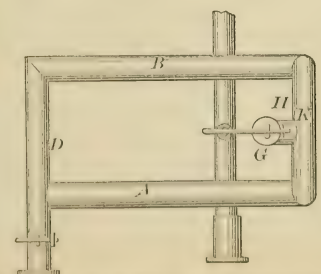
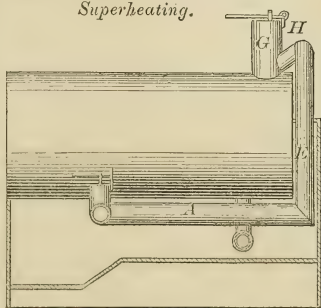
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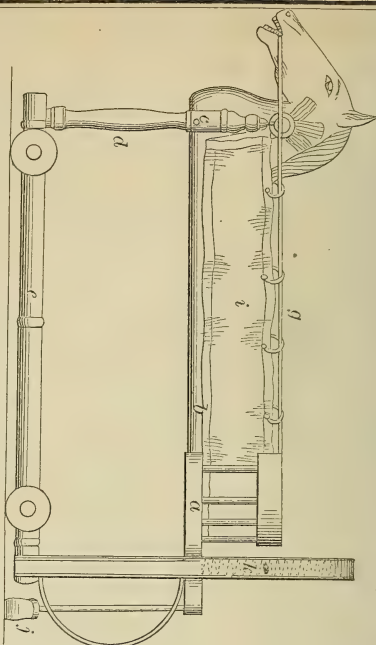
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For Bending Wood.



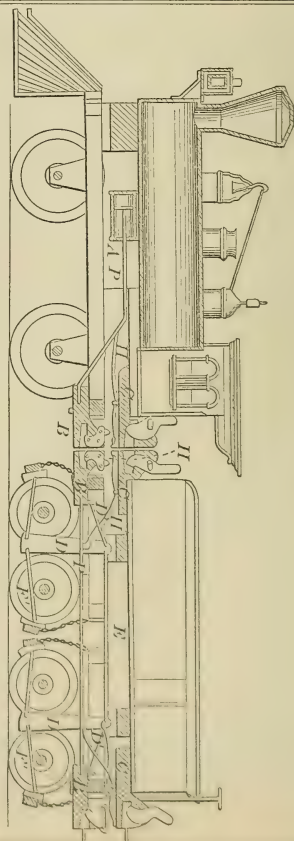
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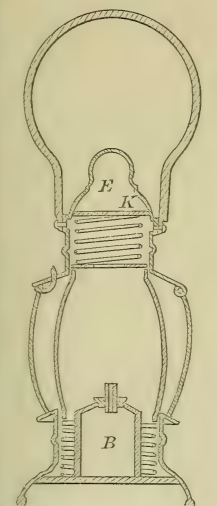
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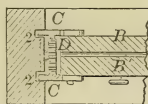
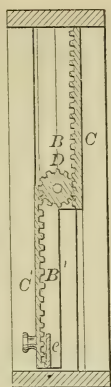
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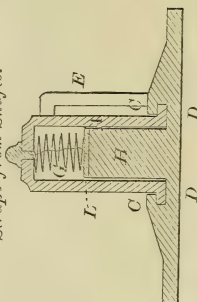
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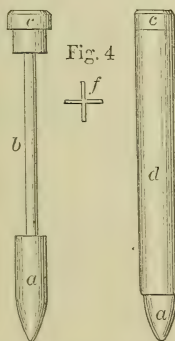
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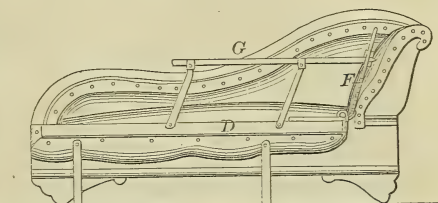
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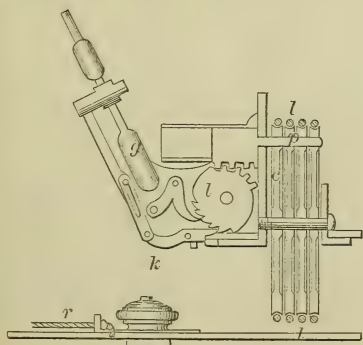
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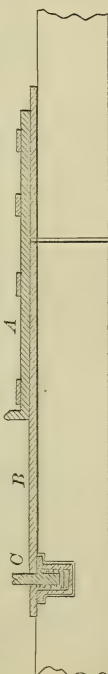
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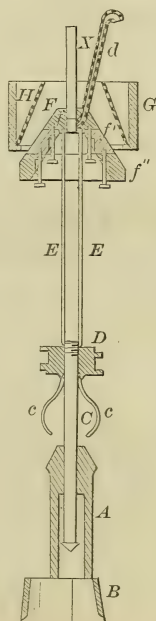
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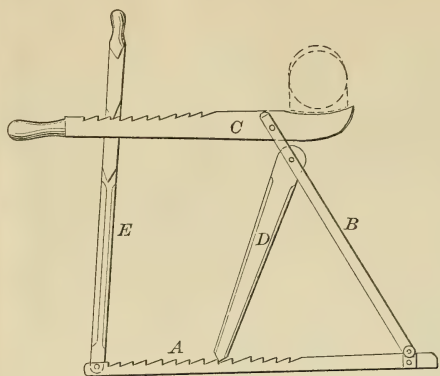
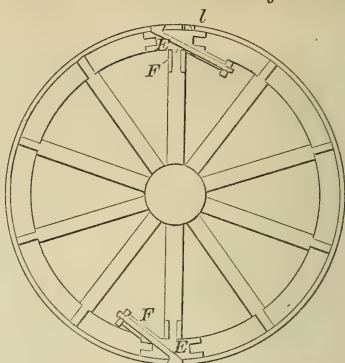
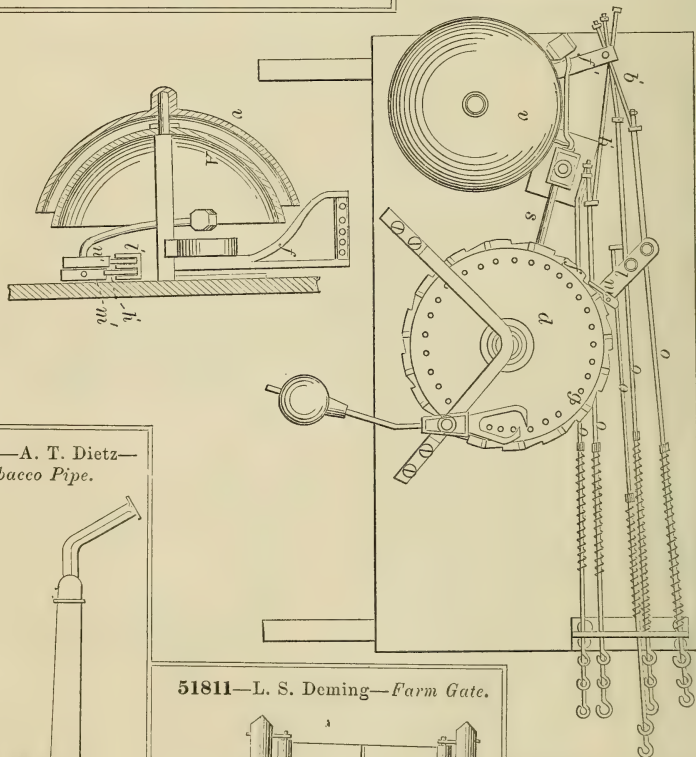
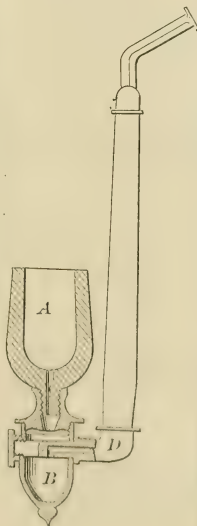
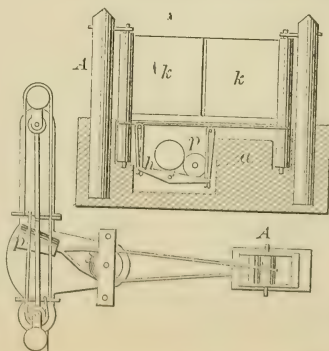
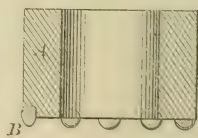
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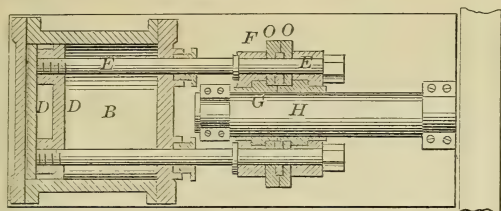
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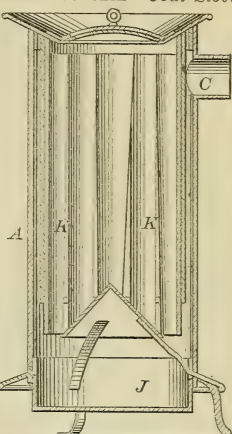


51807—H. Culver—*Lifting Jack.*51808—A. J. Curtis—*Carriage Wheel.*51809—M. L. Deering—*Annunciator.*51812—A. T. Dietz—*Tobacco Pipe.*51811—L. S. Deming—*Farm Gate.*51814—L. Dow—*Drill for Rock Boring.*

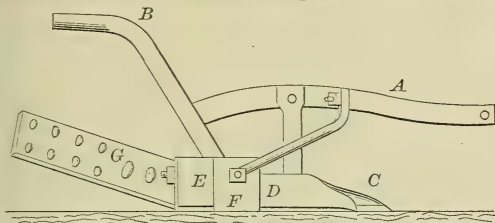
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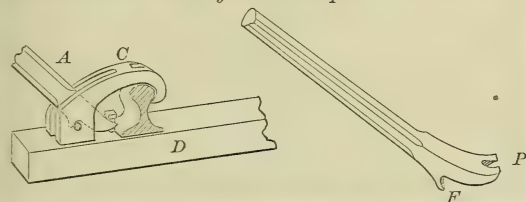
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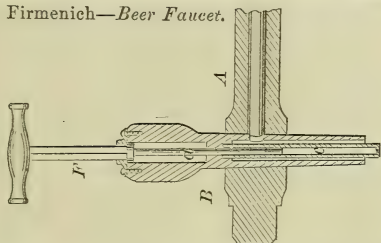
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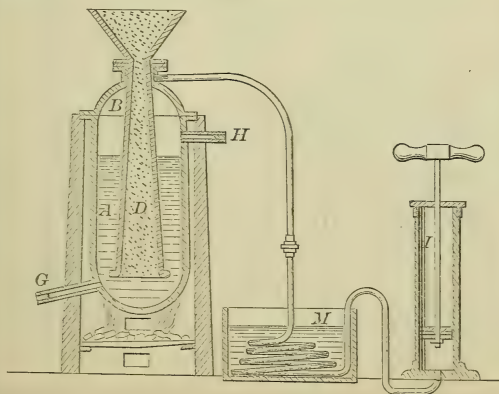
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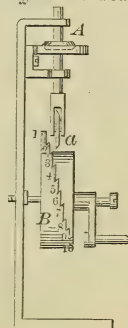
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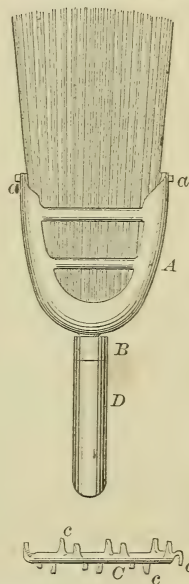
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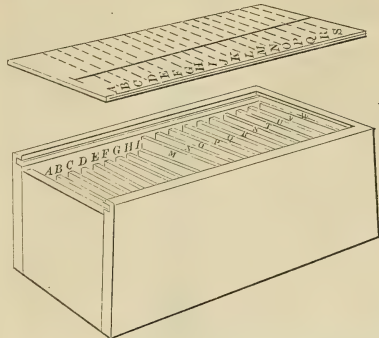
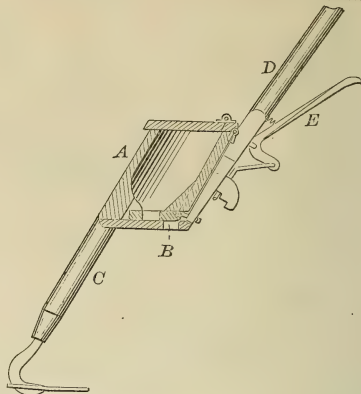
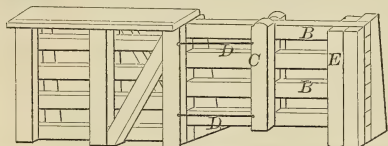
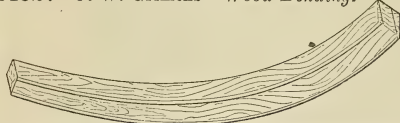
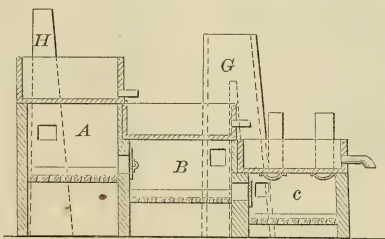
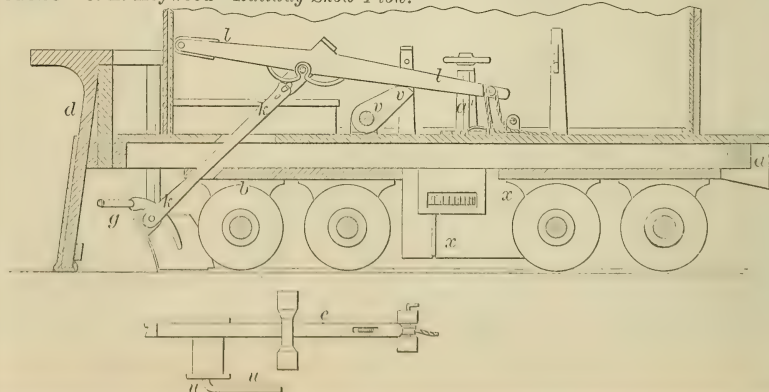
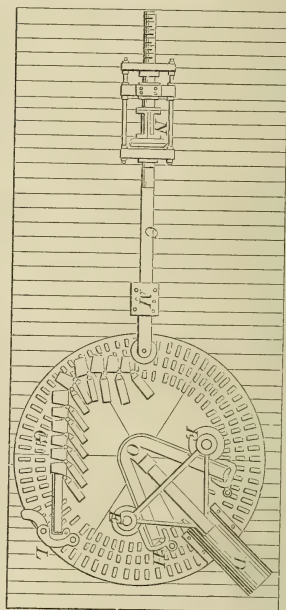


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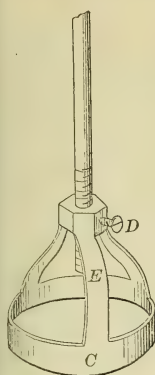
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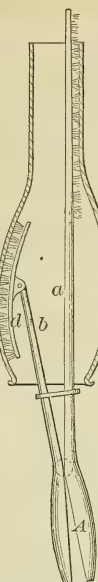
51823—J. M. W. Geist—*System for Libraries.*51825—C. L. Green—*Hand Corn Planter.*51824—Gibbs & Shaw—*Farm Gate.*51827—J. W. Griffiths—*Wood Bending.*51828—F. M. Harris—*Evaporator.*51829—C. L. Heywood—*Railway Snow Plow.*51826—J. W. Griffiths—*Wood Bending Machine.*



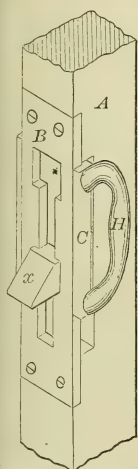
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*Packing for Pumps.*



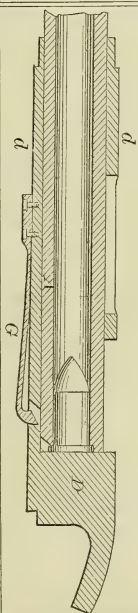
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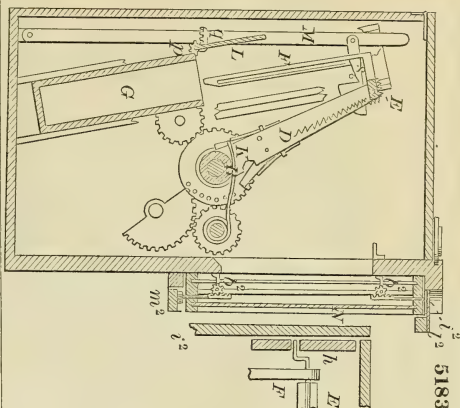
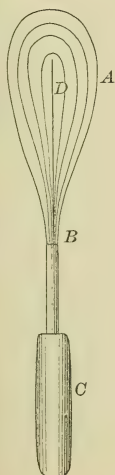
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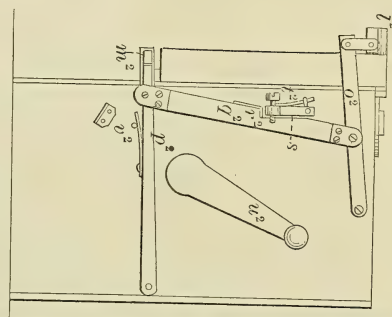
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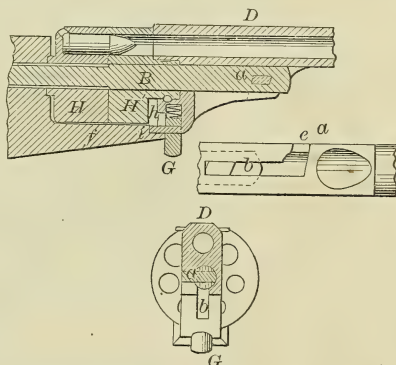
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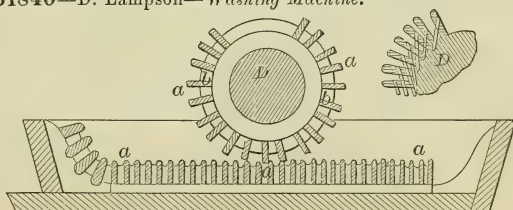
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**51836—B. F. Joslyn—***Revolving Fire Arm.*

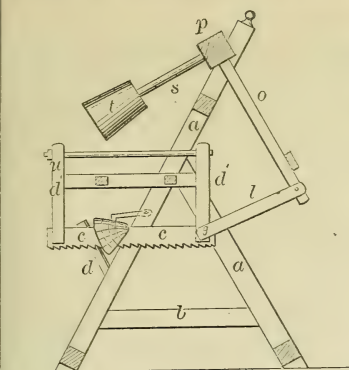


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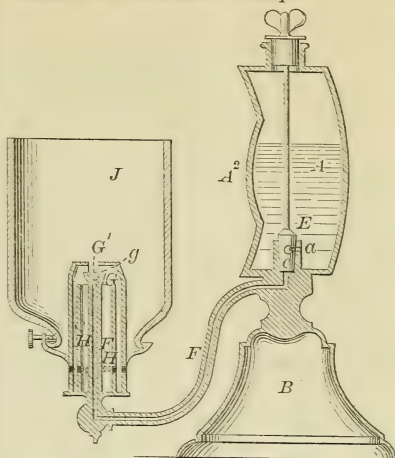




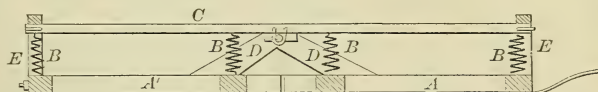
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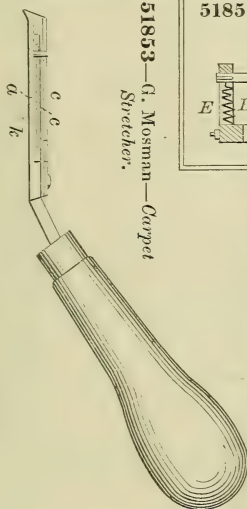
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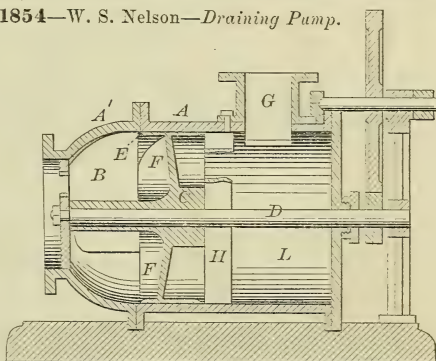
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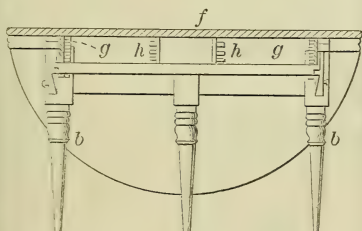
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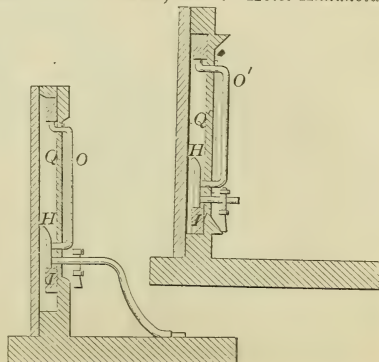
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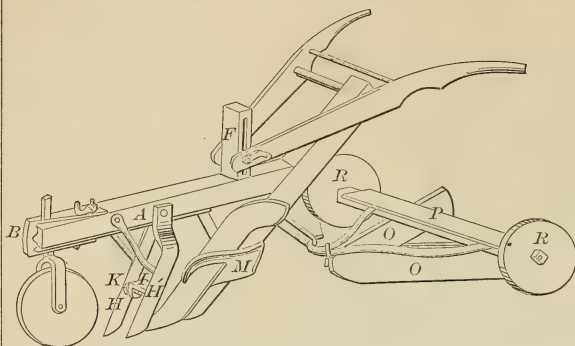
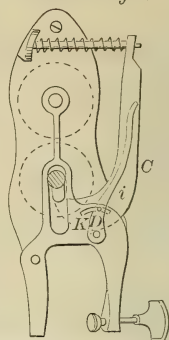
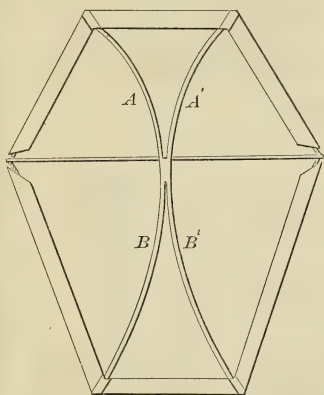
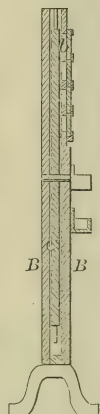
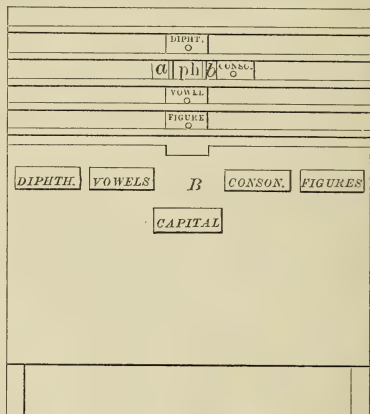
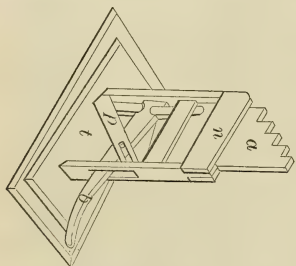
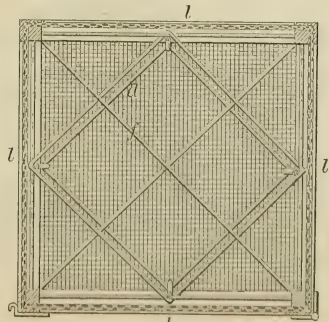
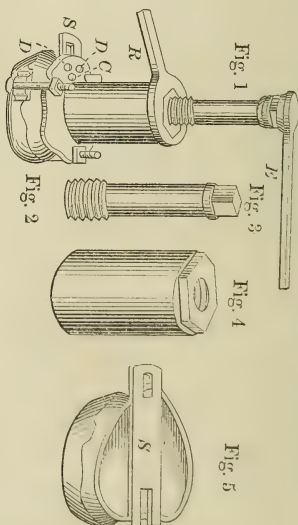
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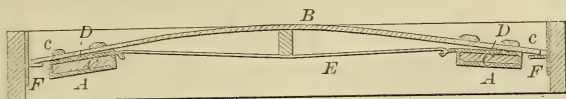
51858—G. G. Percival, M. D.—*Hotel Annunciator.*



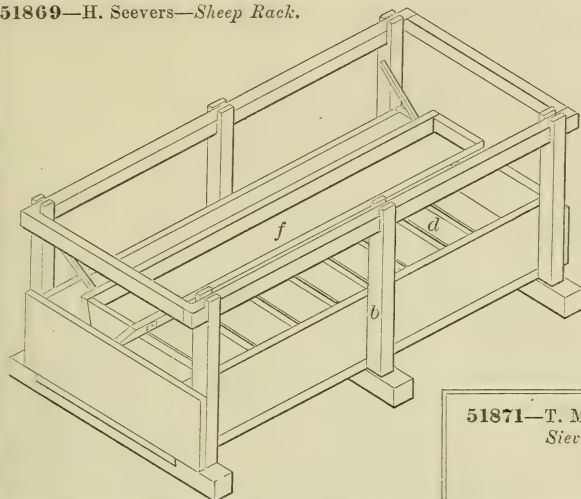


51859—W. M. Perkins—*Ditching Machine.*51862—J. F. Pond—*Clothes Wringer.*51860—T. Perrins—*Kite.*51864—J. H. R. Reffelt—*Alphabeticon.*51861—J. C. Plumer—*Carriage Jack.*51863—Porter & Glines—*Table Stand.*51865—J. C. Robie—*For Filling Moulds for Hard Rubber.*

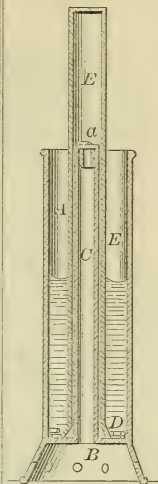
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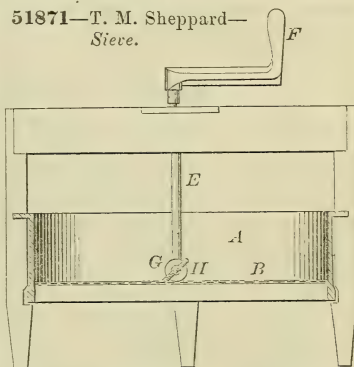
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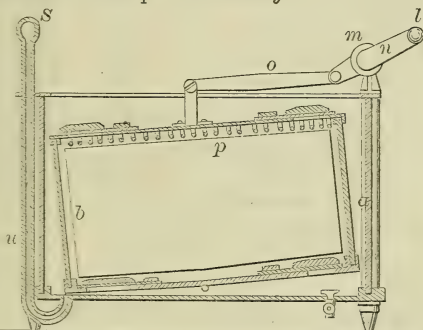
51873—Shurr & Palmer—*Churn.*



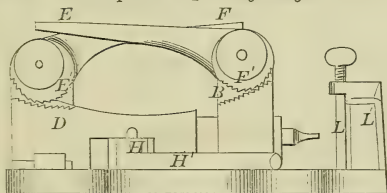
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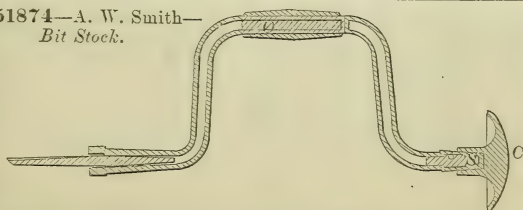
51870—T. Sharp—*For Tanning.*



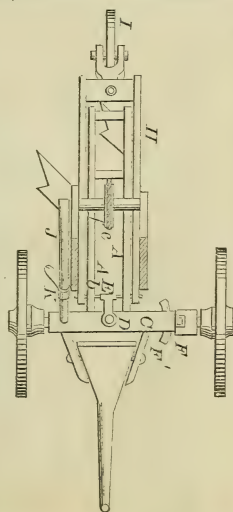
51872—E. Shopbell—*Upsetting Wagon Tire.*

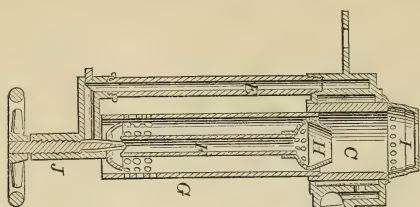
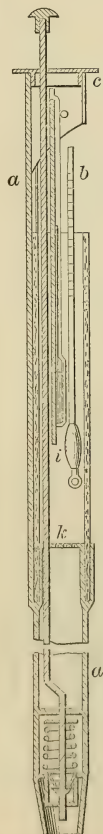
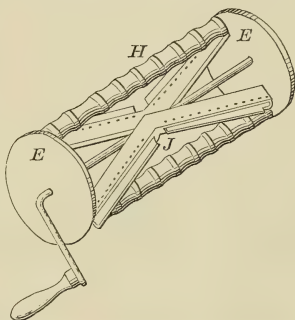
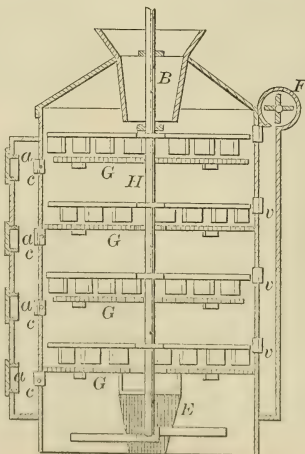
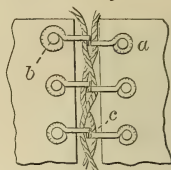
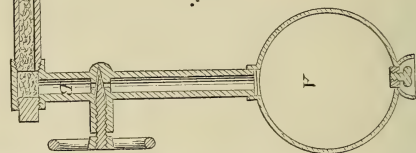
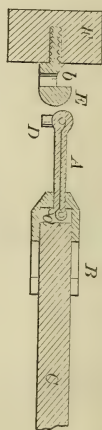
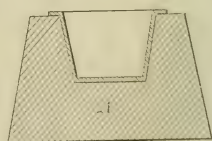


51874—A. W. Smith—*Bit Stock.*



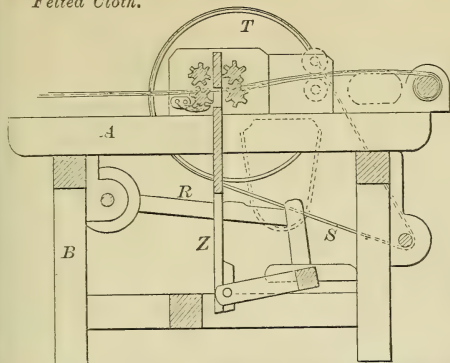
51875—H. C. Smith—*Grang Plow.*



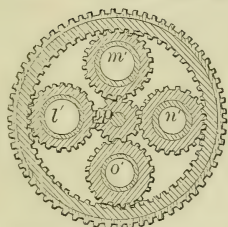
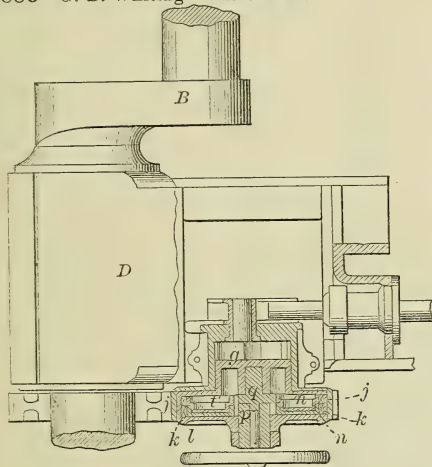
51877—J. Snyder—*Printer's Galley.*51879—N. Stafford—*Test for Liquids.*51881—H. Tilden—*Flour Sifter.*51880—R. T. Sutton—*Grain Dryer.*51878—L. A. Sprague—*Shoe Lacing.*51876—W. H. Smith—*Petroleum Burner.*51882—A. M. Tomb—*Bed Bottom.*51883—M. Wells—*Sheet Metal Ware Die.*



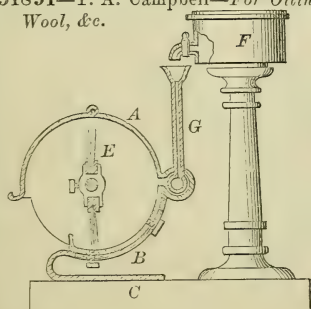
51884—M. D. Whipple—*Fulling and Finishing Felted Cloth.*



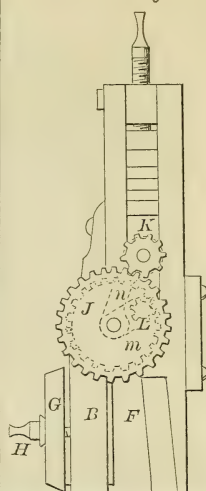
51886—G. B. Whiting—*Valve Gear.*



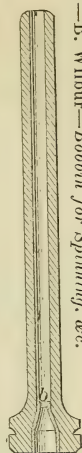
51891—T. A. Campbell—*For Oiling Wool, &c.*



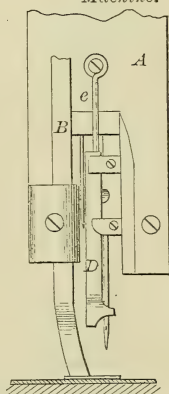
51888—D. F. Williams—*Clothes Wringer.*



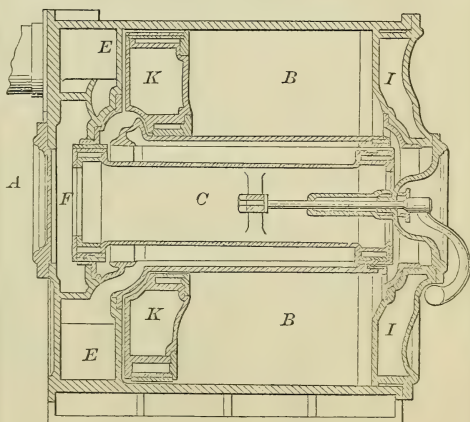
51887—B. Wilbur—*Bobbin for Spinning, &c.*



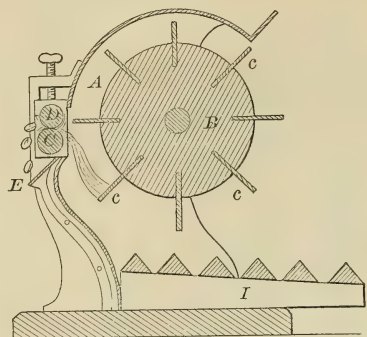
51890—E. E. Bean—*Sewing Machine.*



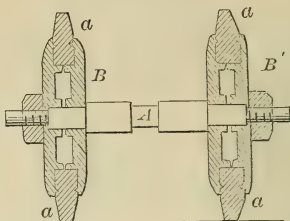
51885—G. B. Whiting—*Steam Engine.*



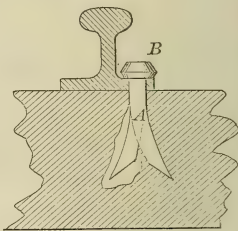
51892—J. E. Carver—Cotton Gin.



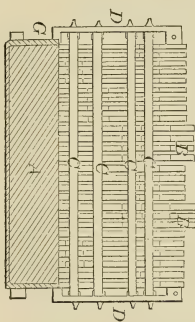
51895—H. Hall—Drawing Rollers for Spinning.



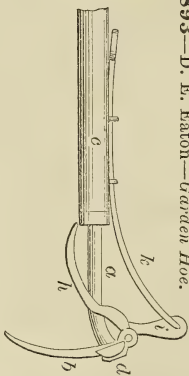
51897—L. Kirkup—Spike.



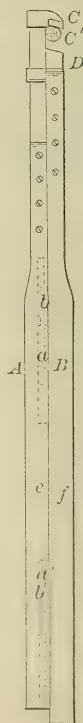
51898—J. Marchbank—Printing Oil Cloths.



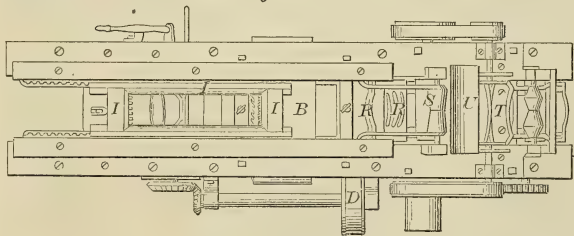
51893—D. E. Eaton—Garden Hoe.



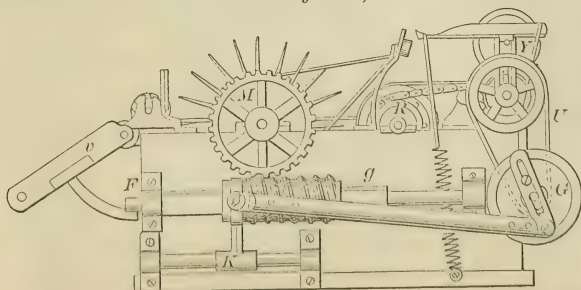
51899—  
W. S. McLean—  
Pruning Hook.



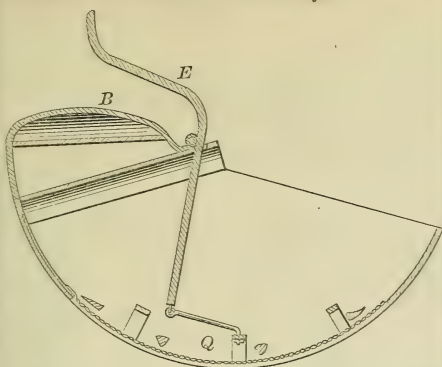
51896—C. J. Holman—Sawing Staves.



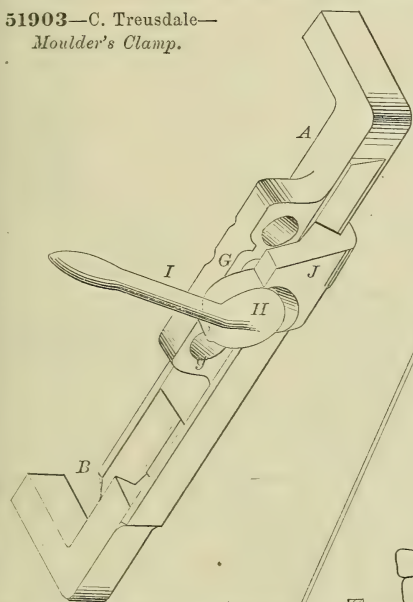
51900—W. Murkland—For Washing Wool, &c.



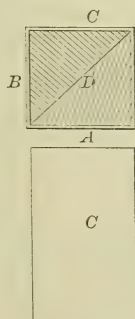
51901—D. T. Robinson—*Flour Sifter.*



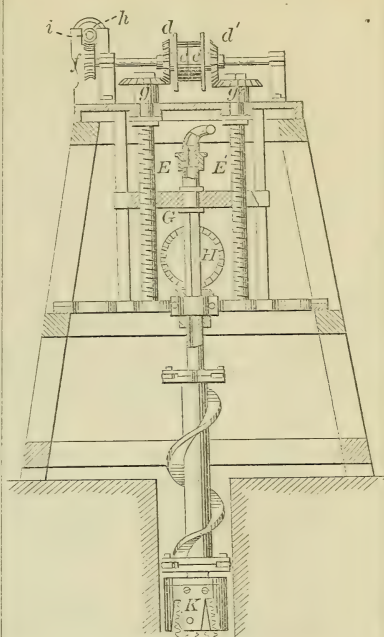
51903—C. Treusdale—*Moulder's Clamp.*



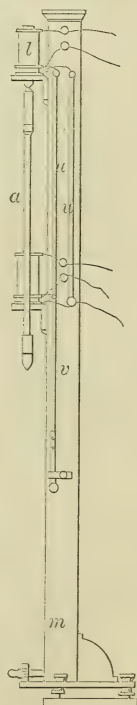
51906—H. Swan—*Stereoscopic Apparatus.*



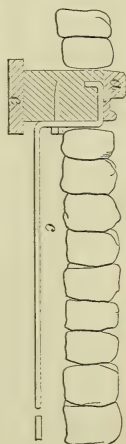
51902—P. Sweeney—*Rock Drill.*



51905—P. L. Boulengi—*Electro-Ballistic Chronograph.*



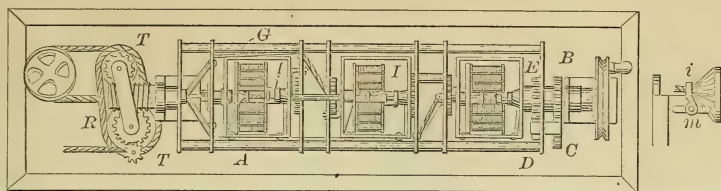
51904—Peet & Hyde—*Construction of Railways.*



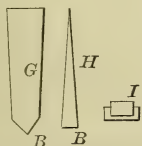
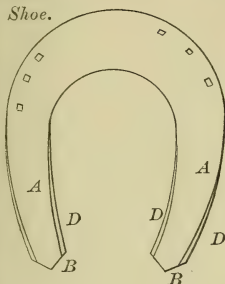




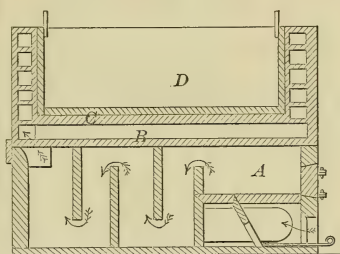
51915—J. Blackie—*Rope Machine.*



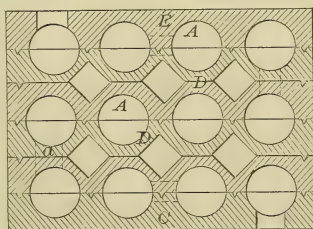
51916—J. H. Brown—*Horse Shoe.*



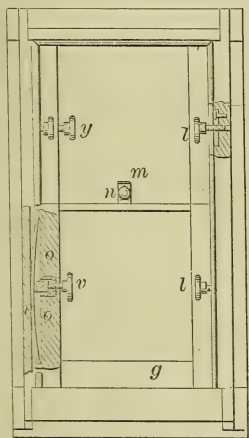
51922—J. Chilcott—*Setting Open Boilers.*



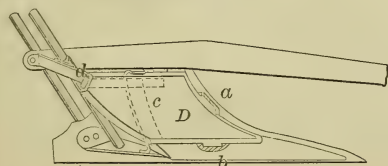
51921—J. Chilcott—*Hot Air Furnace.*



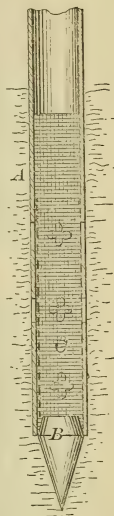
51918—E. Calderwood—*Window Sash Fastener.*



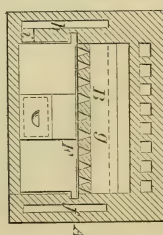
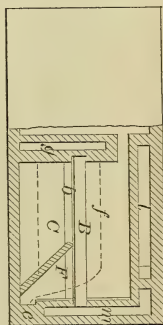
51917—Burton & Hoit—*Plow.*



51919—J. C. & M. V. Campbell—*Staking Wells.*

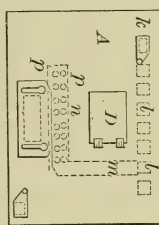


51923—J. Chilcott—*Steam Boiler Furnace.*

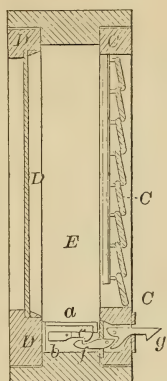


51920—J. L. Cheney—*Headle Eye for Loom Harness.*

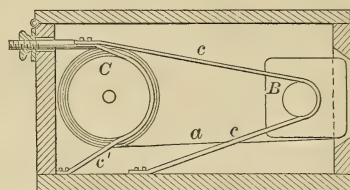
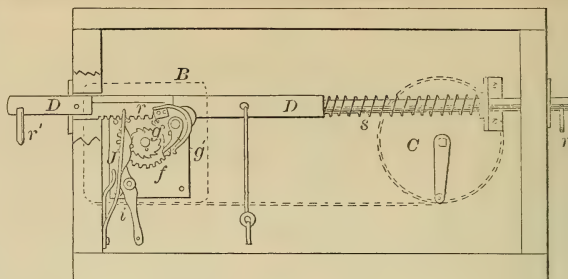
Fig. 1



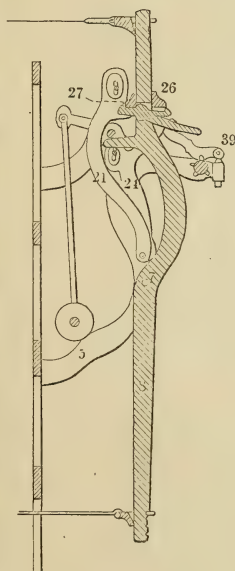
**51924**—E. Cole—*Shutter Fastening.*



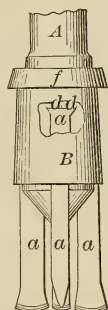
**51927**—A. S. Cox—*Railroad Station Indicator.*



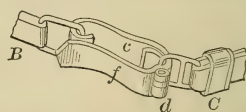
**51928**—G. Crompton—*Fancy Loom.*



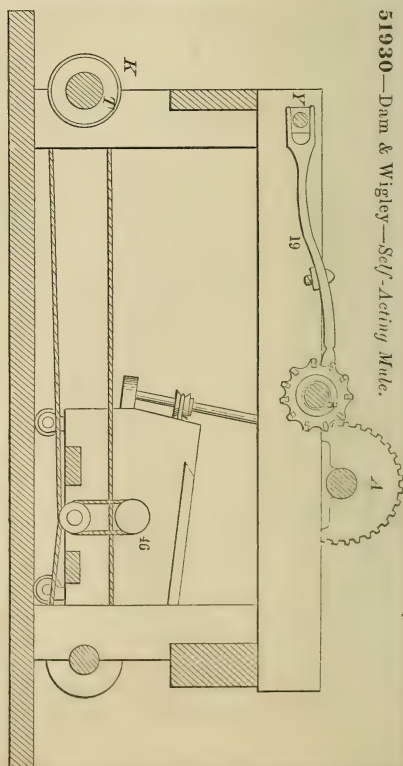
**51925**—A. G. Coles—*Well Drill.*



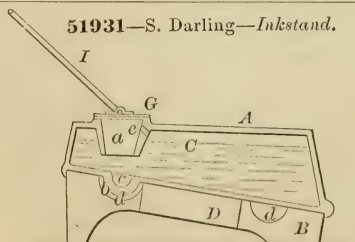
**51926**—A. B. Conde—*Strap Clasp.*



**51930**—Dann & Wigley—*Self-Acting Mule.*

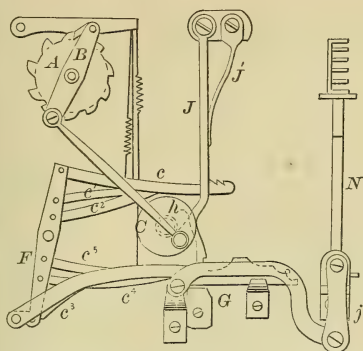


**51931**—S. Darling—*Inkstand.*

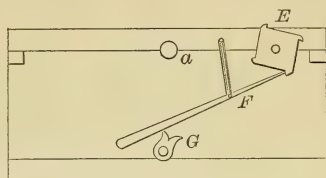




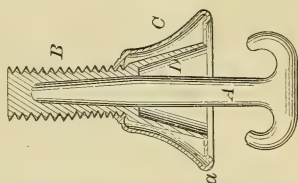
51932—C. Duckworth—*Loom.*



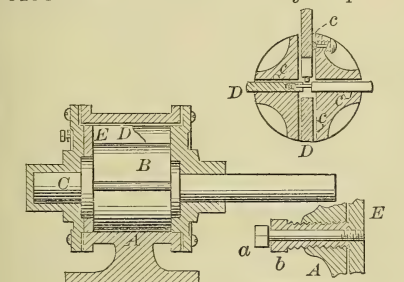
51933—J. H. Elward—*Animal Trap.*



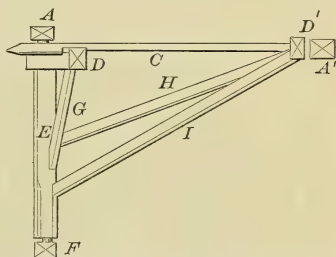
51934—A. B. Ely—*Telegraph Insulator.*



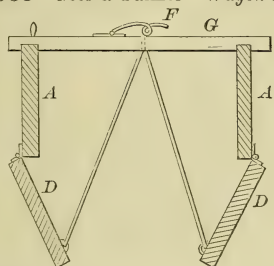
51936—W. & R. Foster—*Rotary Pump.*



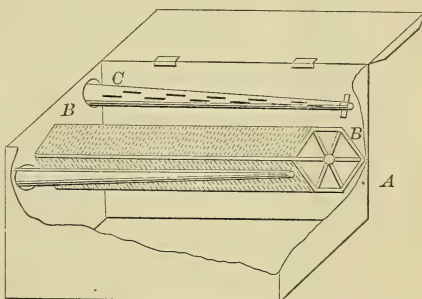
51940—A. L. Grinnell—*Gate.*



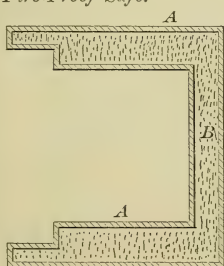
51938—Geer & Palmer—*Wagon Box.*



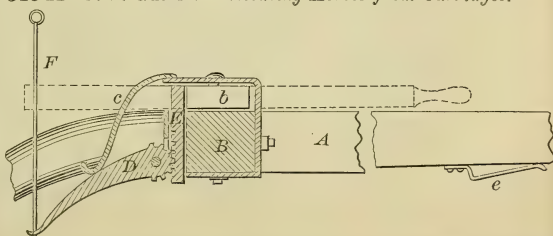
51939—S. Godfrey—*Bolt for Flouring Mills.*

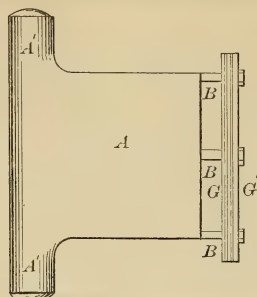
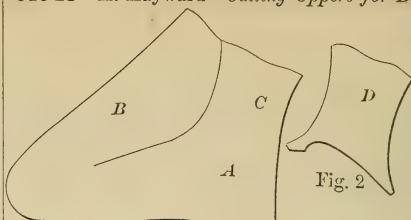


51937—S. T. Fowler—*Fire Proof Safe.*

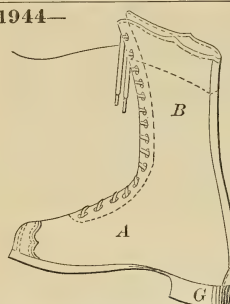
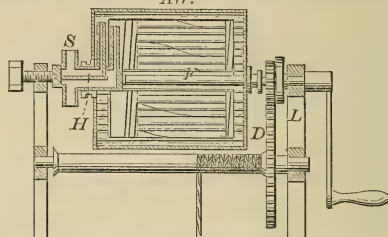
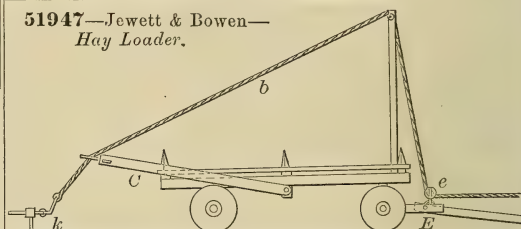
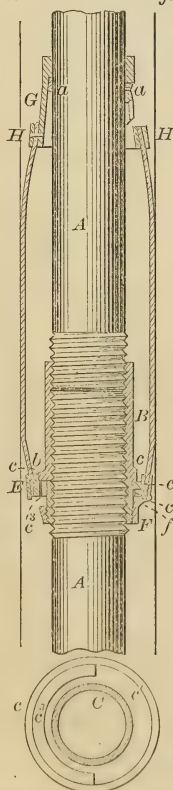
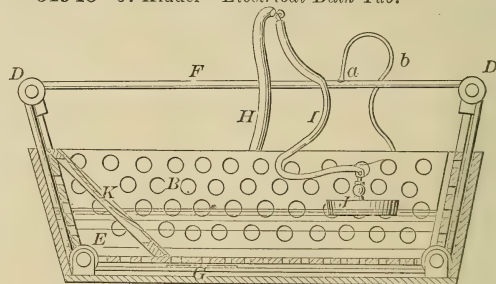
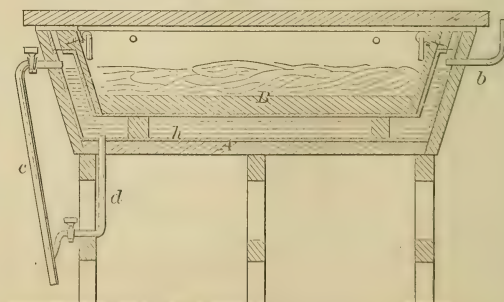


51941—J. T. Guthrie—*Releasing Horses from Carriages.*

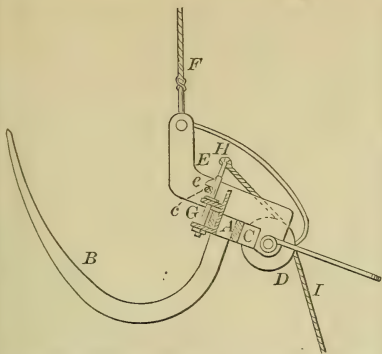


51942—J. P. Hawks—*Carrier's Knife.*51943—H. Hayward—*Cutting Uppers for Boots.*

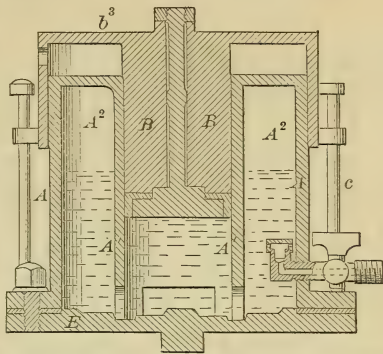
51944—

H. Hayward—*Butmoral Boot.*51946—Hutchinson & McAvoy—*For Carburetting Air.*51947—Jewett & Bowen—*Hay Loader.*51945—S. E. Hewes—*Well Tube Packing.*51948—J. Kidder—*Electrical Bath Tub.*51949—W. Leas—*For Raising Dough.*

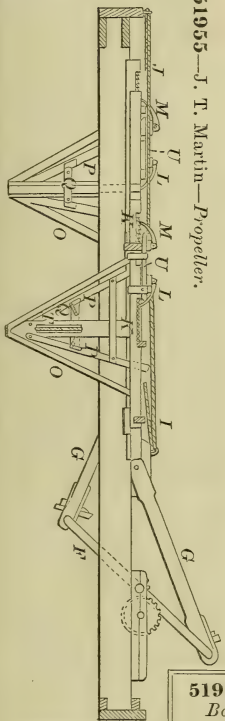
51950—D. Lippy—*Horse Hay Fork.*



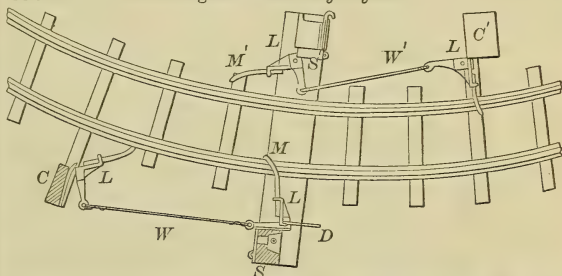
51956—J. Merlett—*Pneumatic Spring for Cars.*



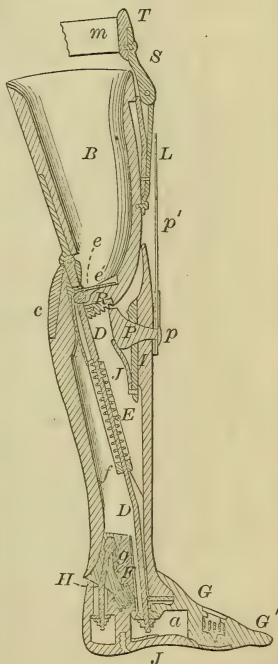
51955—J. T. Martin—*Propeller*.



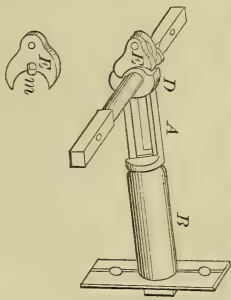
51952—A. W. Livingston—*Railway Signal.*



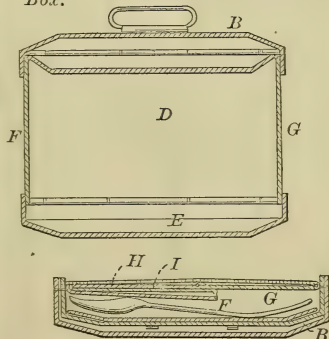
51953—J. Madden—  
*Artificial Leg.*



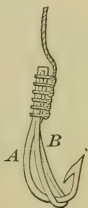
51954—E. Manley—Door Latch.



51957—J. A. Minor—*Folding Lunch Box.*

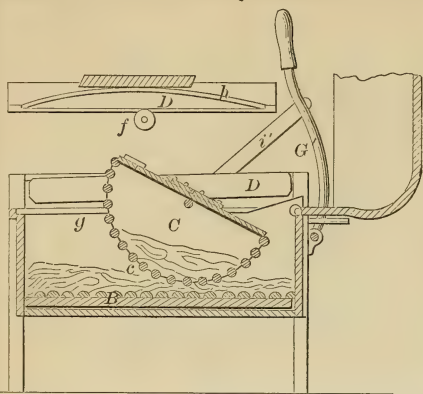


51951—  
H. B. Livermore—  
*Fish Hook.*

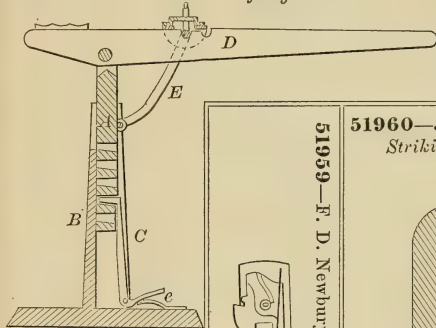




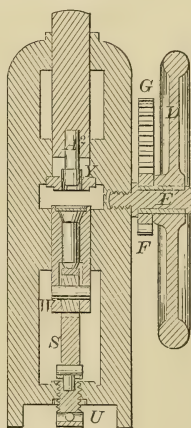
51958—H. Nash—Washing Machine.



51963—S. J. Parmele—Lifting Jack.



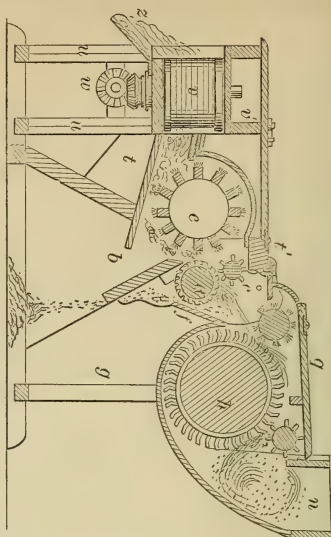
51960—J. North—Press for Striking up Metal.



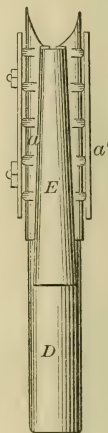
51959—F. D. Newbury—Breech-Loading Fire Arm.



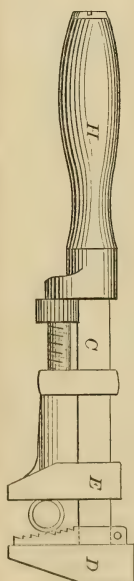
51962—S. R. Parkhurst—Cotton Gin.



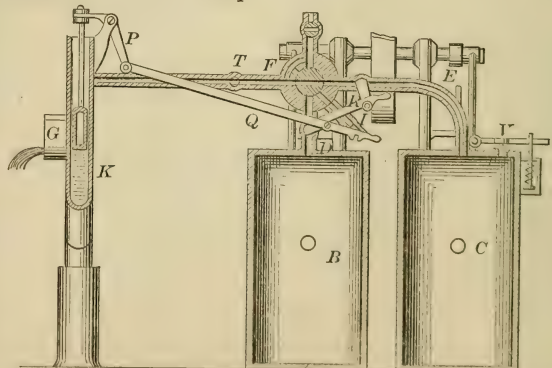
51964—G. W. Parsons—Broom Head.



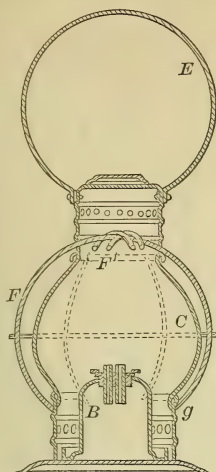
51961—T. C. Page—Wrench.



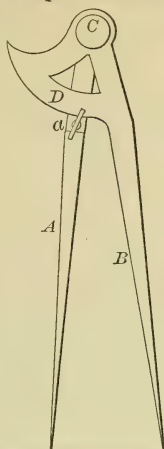
51965—F. S. Pease—Pump.



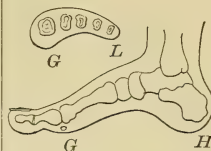
51966—G. Peugeot—Lantern.



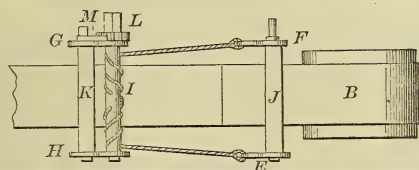
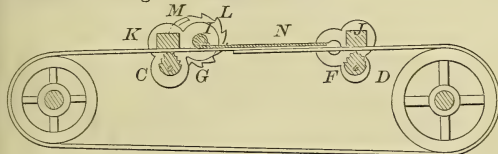
51967—Pfeghar & Schollhorn—  
Compass and Calipers.



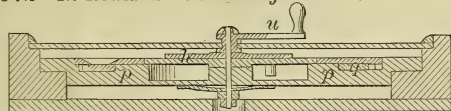
51968—J. C. Plumer—  
Boots and Shoes.



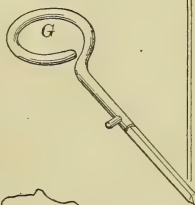
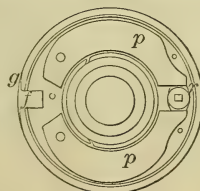
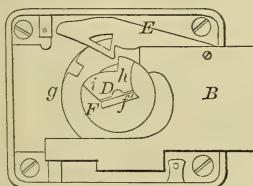
51970—S. Rogers—Belt Stretcher.



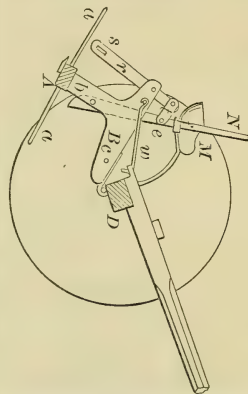
51972—N. Rowland—Calculating Machine.



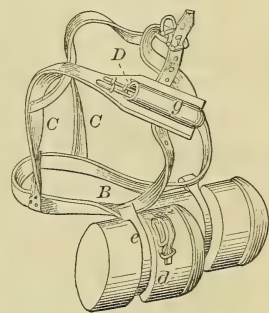
51973—Sargent & Covert—Lock.



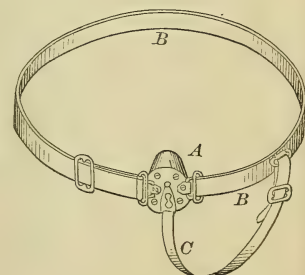
51969—S. B. Reed—Horse Rake.



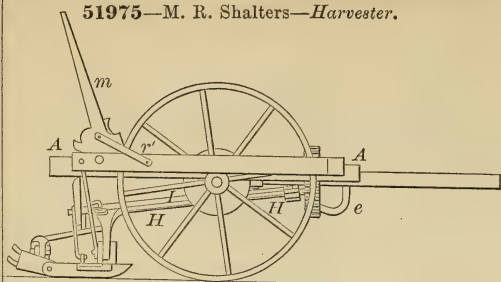
51971—E. Rousseil—Life  
Preserver.



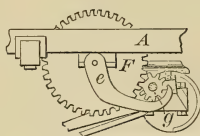
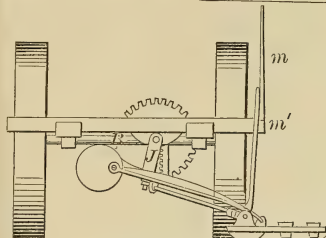
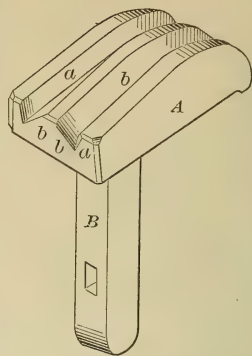
51974—J. Scott—Truss.



51975—M. R. Shalters—Harvester.

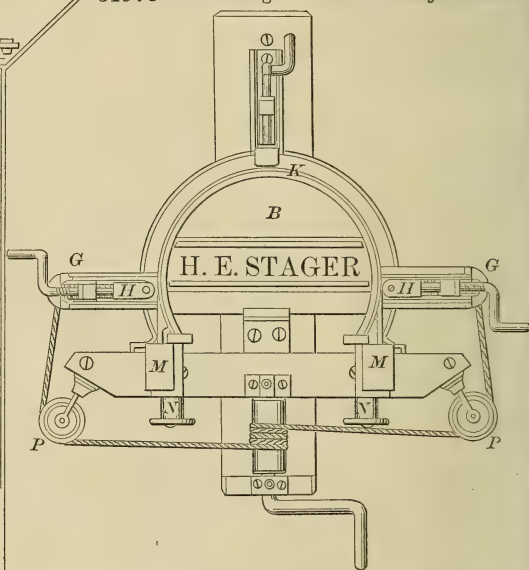
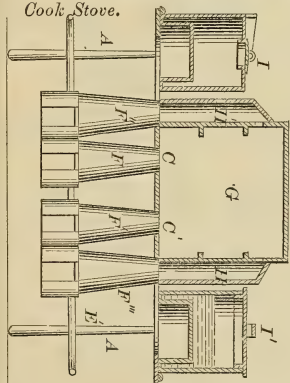


51979—U. Stewart—Forming Horse Shoes.

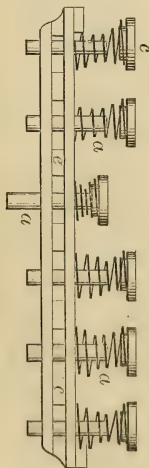


51978—H. E. Stager—Wood Bending Machine.

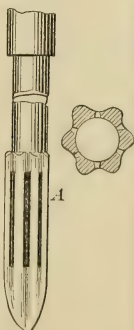
51976—H. E. Smith—Petroleum Cook Stove.



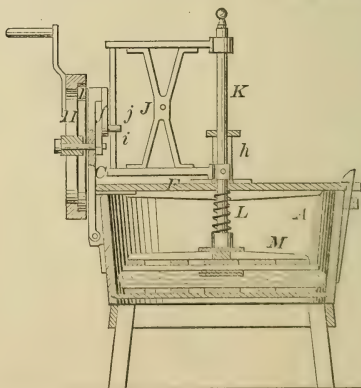
51981—J. E. Todd—Bed Bottom.



51980—W. W. St. John—Drill Head.

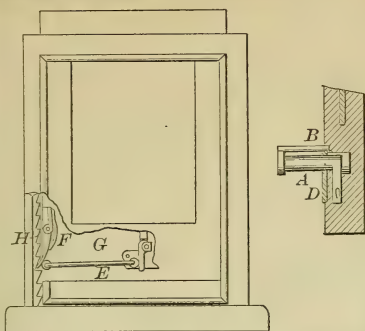


51977—Stafford &amp; Crossman—Washing Machine.

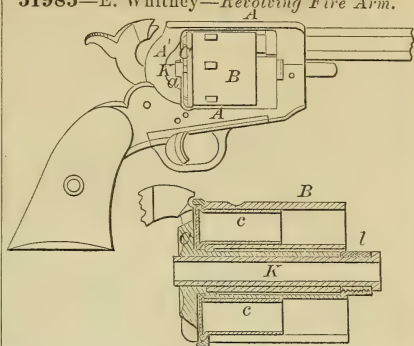




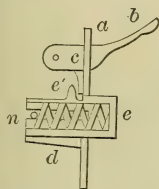
51982—R. Vose—Sash Fastener.



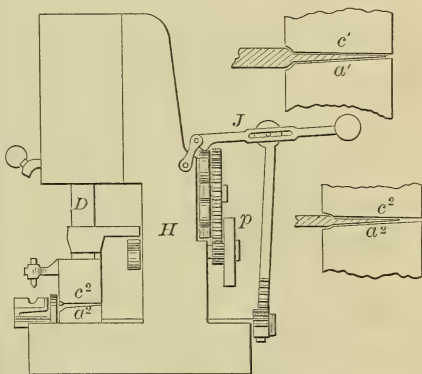
51985—E. Whitney—Revolving Fire Arm.



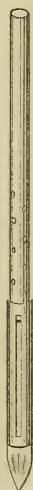
51983—G. W. Wareham—Sash Fastener.



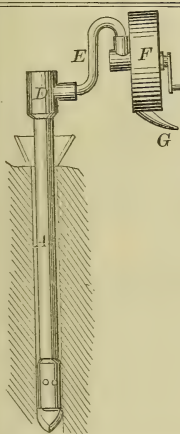
51986—J. A. Whitney—Horse Shoe Nail Machine.



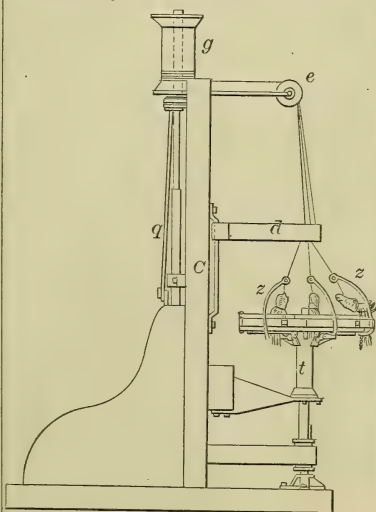
51989—Winter & Brewer—Boring Wells.



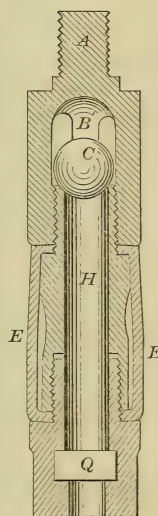
51984—O. G. Warren—Suction Drill.



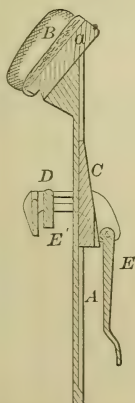
51988—Wilder, Wales & Nichols—Obtaining Silk from Spiders, &c.



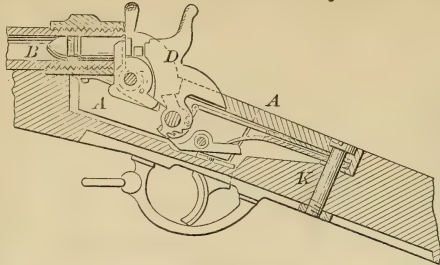
51990—Allen, Housé & Melcher—Packing Pump Pistons.



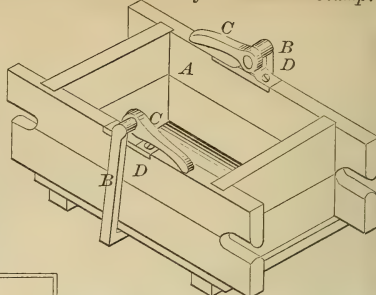
51987—J. M. Whitney—Portable Head Rest.



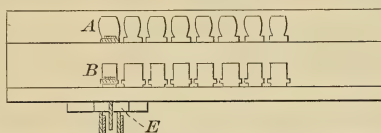
51991—H. Berdan—Breech-Loading Fire Arm.



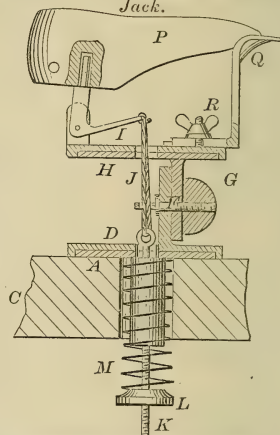
51995—J. B. Crowley—Moulder's Clamp.



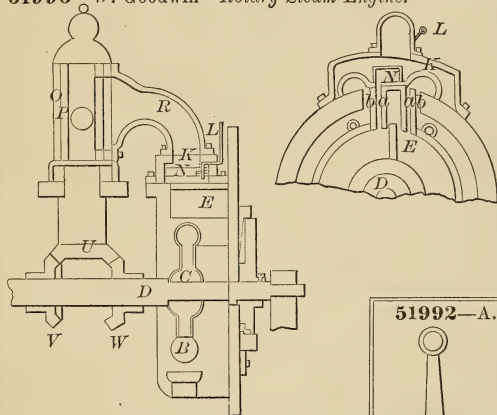
51994—R. Burditt—Reed Musical Instrument.



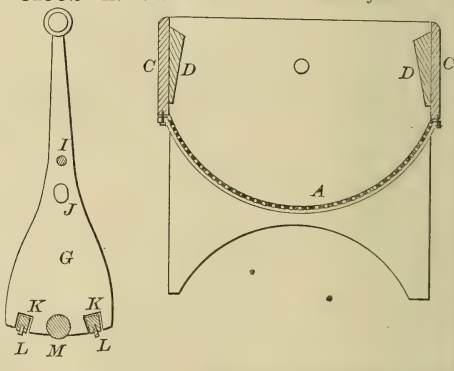
51993—T. L. Brown—Horse Shoe Jack.



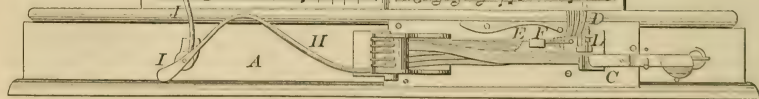
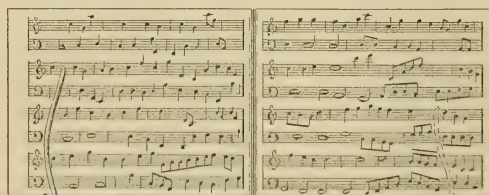
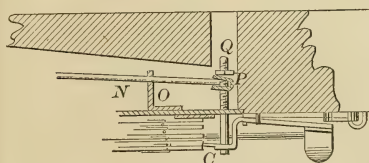
51996—W. Goodwin—Rotary Steam Engine.



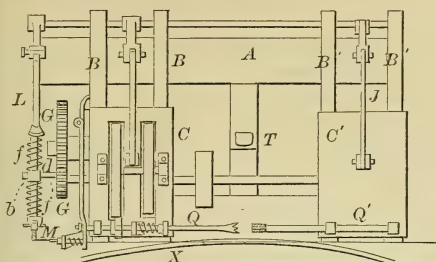
51992—A. E. &amp; J. B. Blood—Flour Sifter.



51999—G. M. Hopkins—For Turning Leaves of Music.



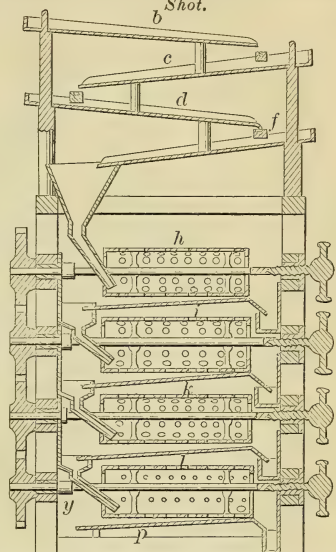
**52000**—A. Mackie—*Cork Cutting Machine.*



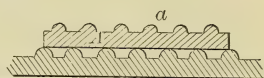
**52002**—J. H. Parker—*Springs for Trusses.*



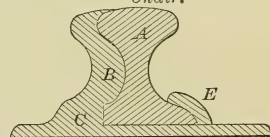
**52003**—W. A. Shaw—*For Separating Shot.*



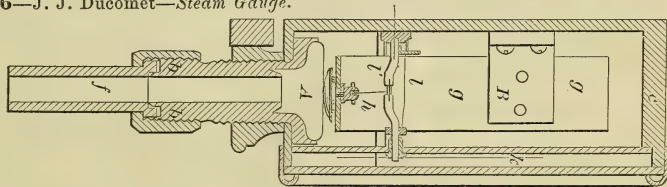
**52004**—J. Sherman—*Shingle.*



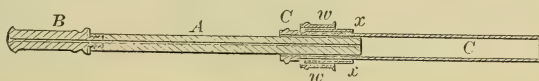
**52005**—J. W. Sutherland—*Railroad Chair.*



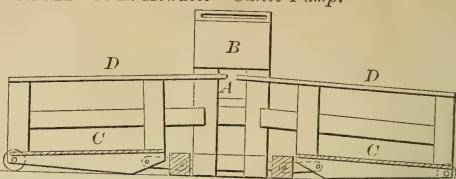
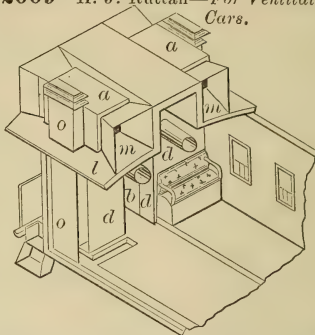
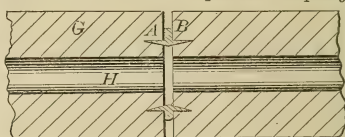
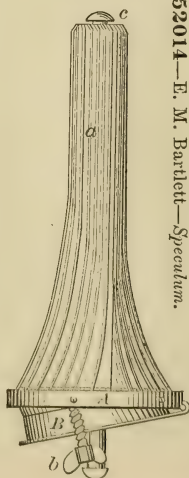
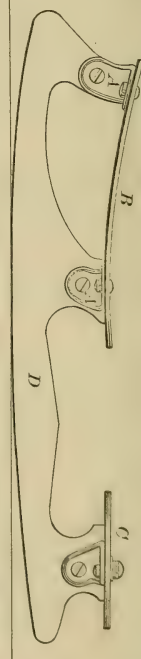
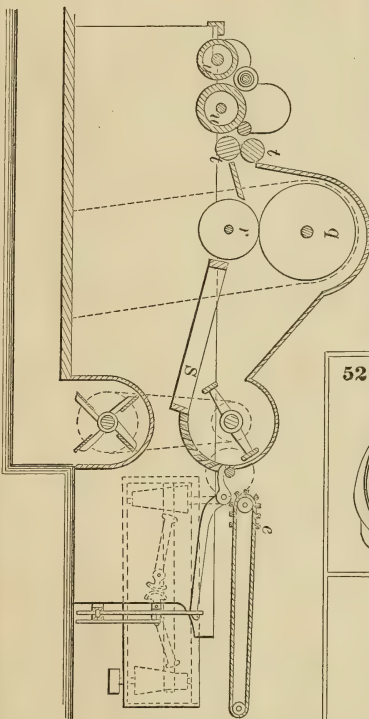
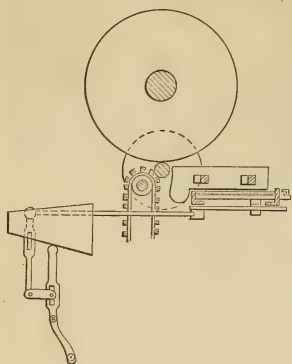
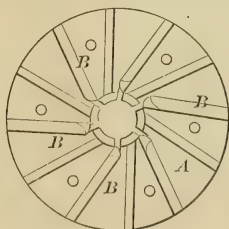
**52006**—J. J. Ducomet—*Steam Gauge.*



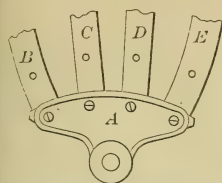
**52007**—Krans & Szigethy—*Cigarette Machine.*



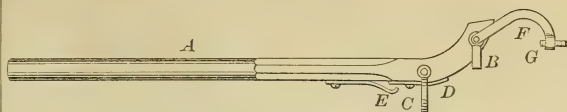


52011—J. B. Atwater—*Cattle Pump.*52009—H. J. Ruttan—*For Ventilating Railroad Cars.*52010—J. Aldrich—*Aqueduct Coupling.*52012—W. Ballard—*Dentistry.*52014—E. M. Bartlett—*Spectulum.*52013—E. H. Barney—*Skate.*52008—E. Lord—*Cleaning Cotton.*52015—F. J. Belknap—*Shoe and Die for Amalgamating Machines.*

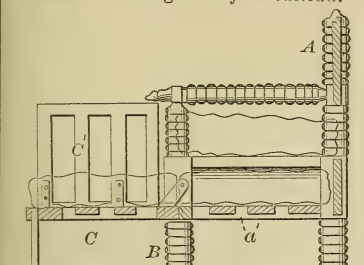
**52016**—H. M. Bidwell—*Bow Irons for Carriages.*



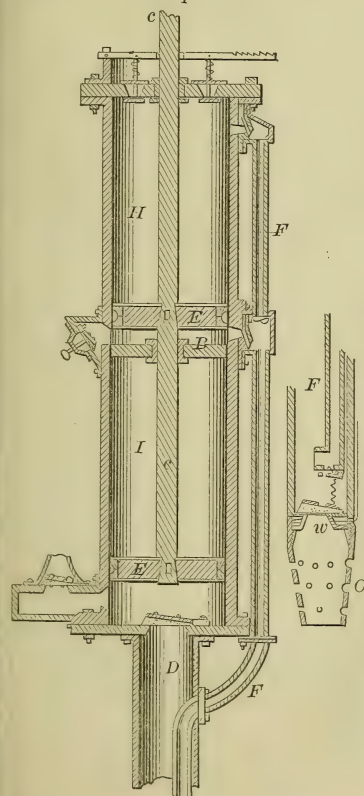
**52017**—M. E. Bishop—*Spike Extractor.*



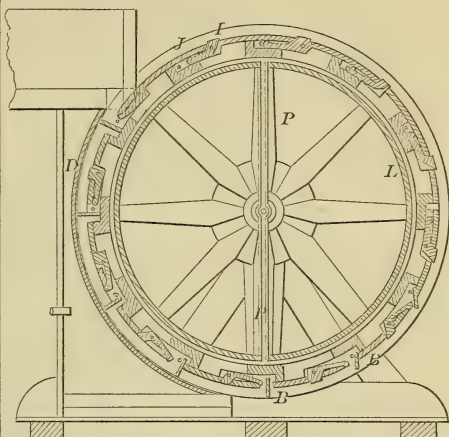
**52020**—F. Boeger—*Sofa Bedstead.*



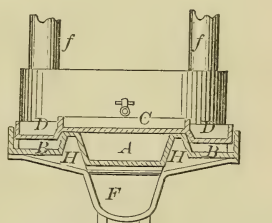
**52019**—J. A. Bloom—*Deep Well Pump.*



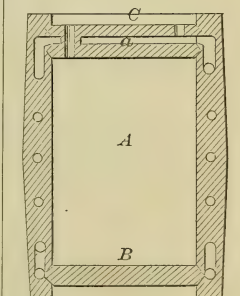
**52021**—N. Bowker—*Water Wheel.*



**52022**—A. L. Brink—*Sugar Evaporator.*

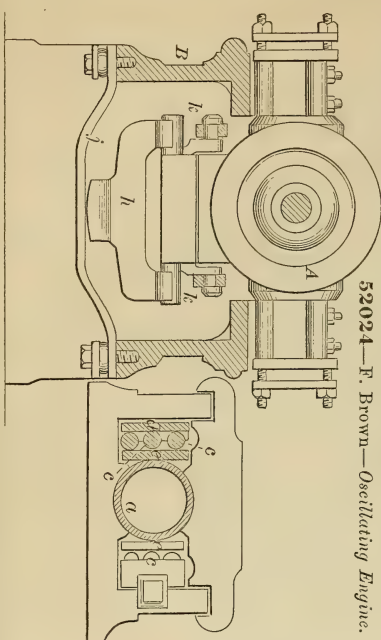


**52023**—J. Brakeley—*Petroleum Vessel.*

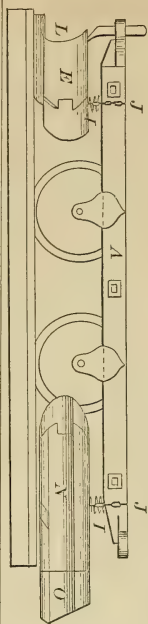
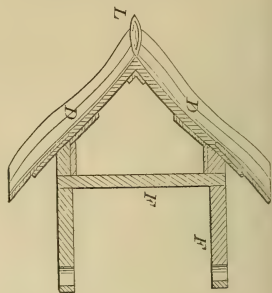


**52018**—C. D. Binn—*Window Shade.*

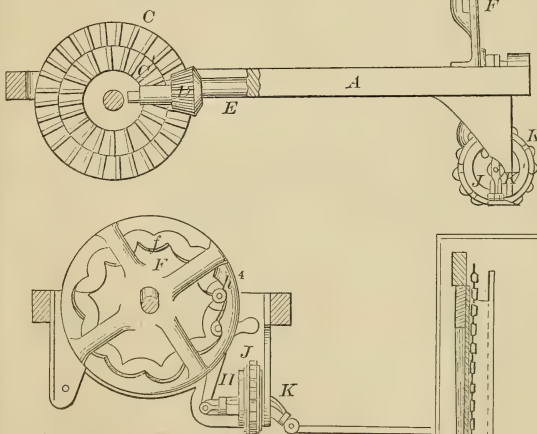




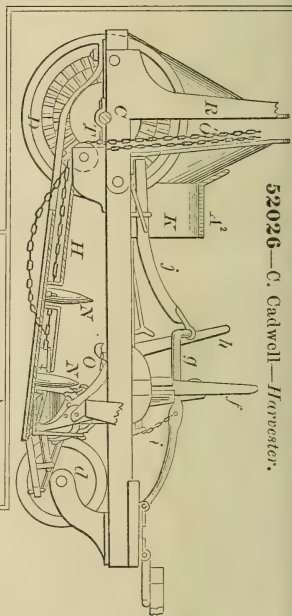
52024—F. Brown—Oscillating Engine.

52028—J. C. Carneross—  
Railroad Snow Plow.

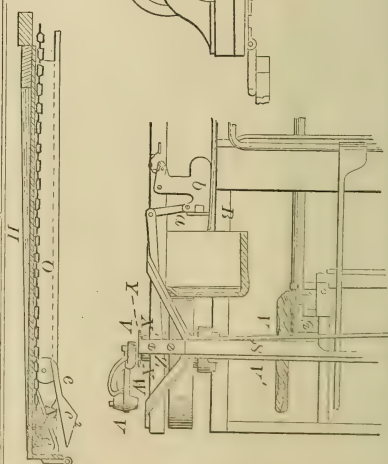
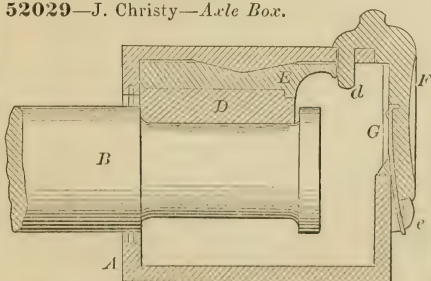
52027—C. Cadwell—Harvester.



52026—C. Cadwell—Harvester.

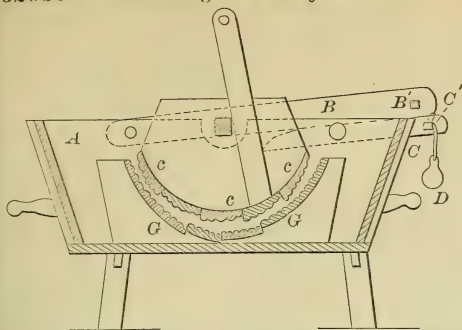


52029—J. Christy—Axle Box.

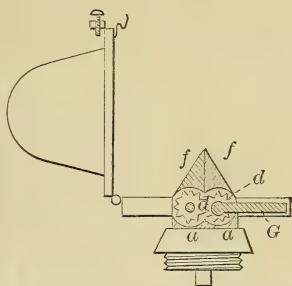




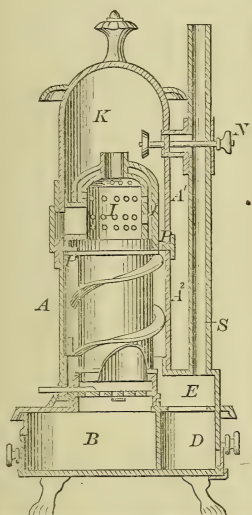
52030—N. B. Clabaugh—*Washing Machine.*



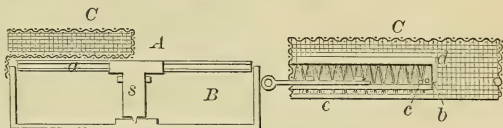
52031—I. Clark—*Lamp.*



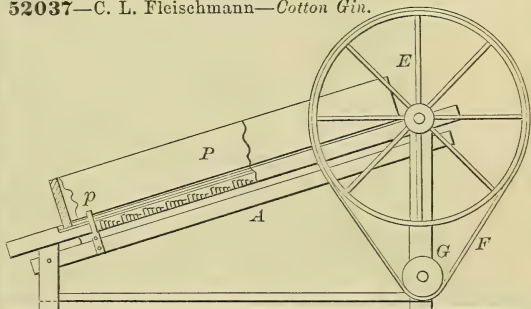
52033—J. D. Conner—*Coal Stove.*



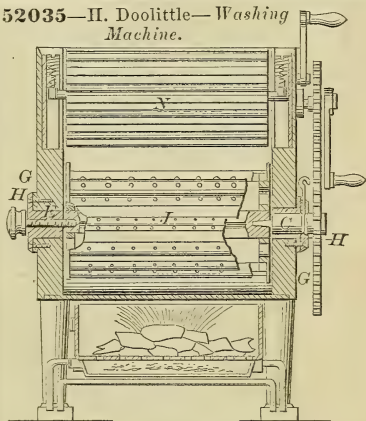
52034—E. N. Cummings—*Fly Trap.*



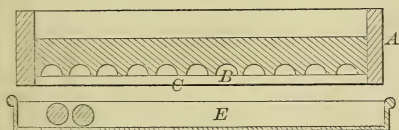
52037—C. L. Fleischmann—*Cotton Gin.*



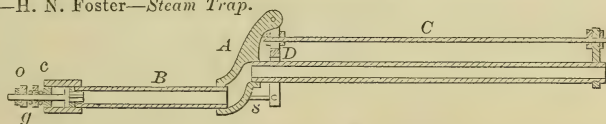
52035—H. Doolittle—*Washing Machine.*

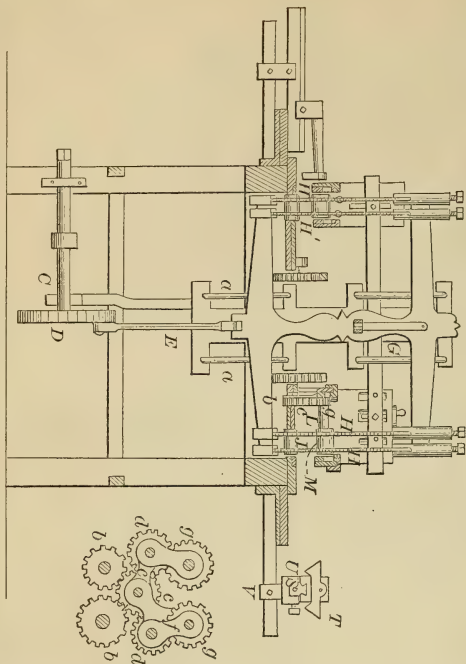


52036—A. Exton—*For Making Scroll Biscuit.*



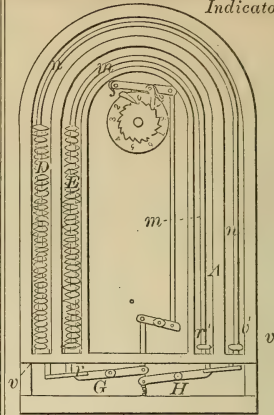
52038—H. N. Foster—*Steam Trap.*



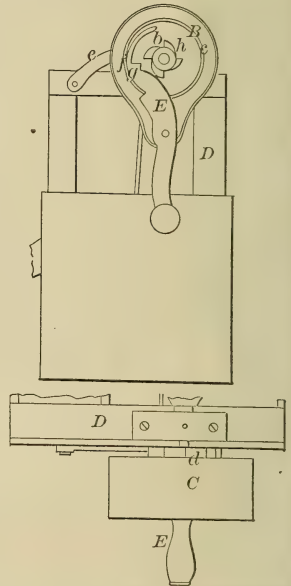


52039—J. A. Geer—Sewing Machine.

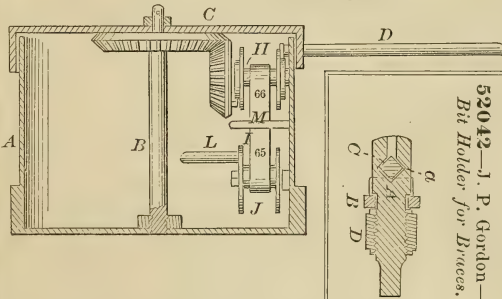
52041—M. Gootmann—Billiard Indicator.



52045—G. W. Holmes—Windlass.

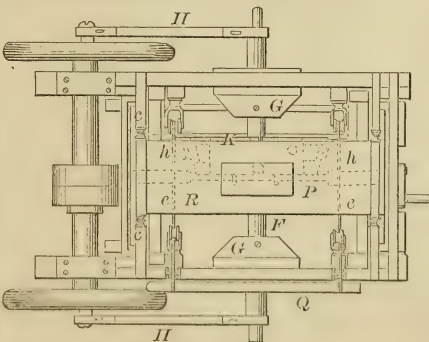


52043—E. Hamburger—Passenger Register.

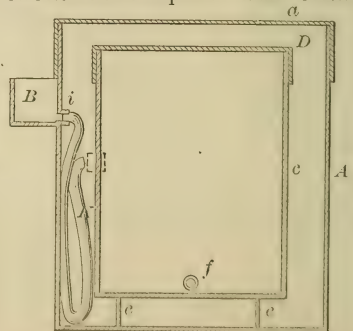


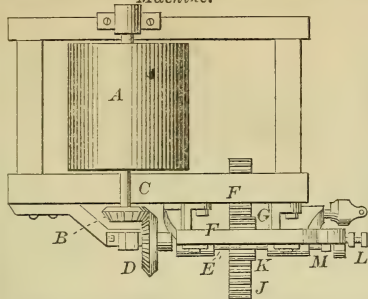
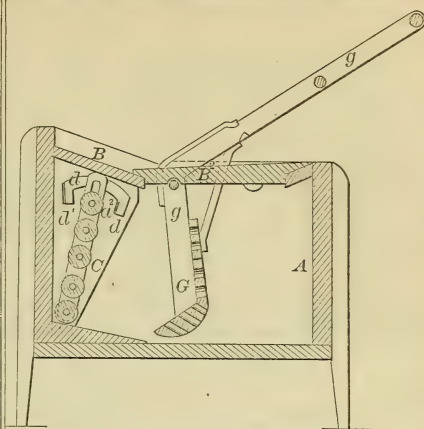
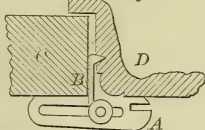
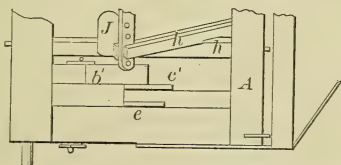
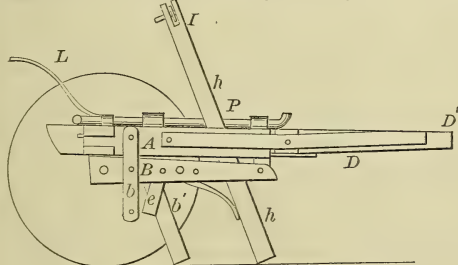
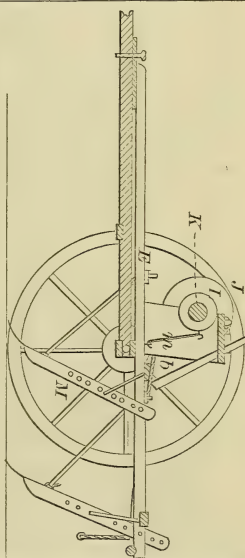
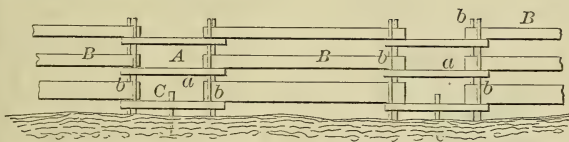
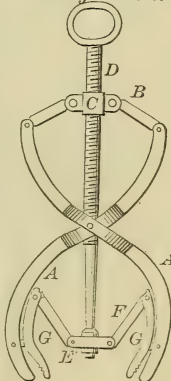
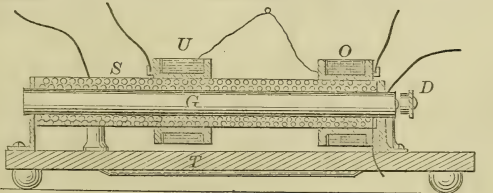
52042—J. P. Gordon—Bit Holder for Druses.

52044—F. Hoffman—For Polishing Wood.



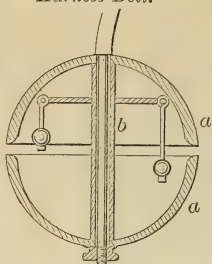
52047—E. E. Hopkins—Water Cooler.



52048—L. B. Hubbell—*Threshing Machine.*52052—H. P. Jones—*Washing Machine.*52050—F. A. & A. J. Illingworth—*Door Fastening.*52049—G. L. Hutchinson—*Cultivator.*52053—B. F. Kessler—*Cultivator.*52051—A. Jackson—*Fence.*52055—G. Kump—*Lasting Pincers.*52054—Dr. J. Kidder—*Induction Coil.*



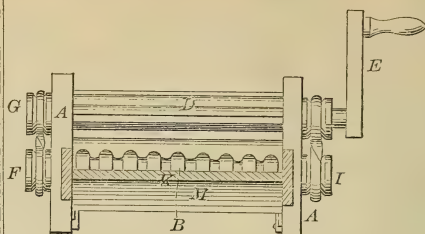
52058—C. T. Liebold—*Harness Bell.*



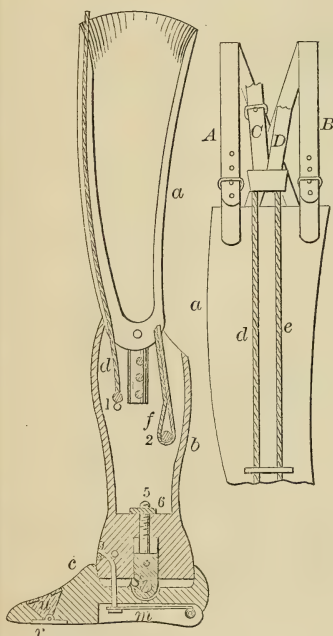
52056—E. G. Lanson—*Anger.*



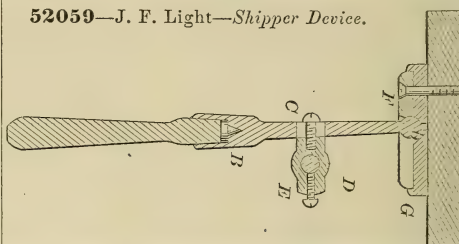
52062—J. C. Loveland—*Dough Kneader.*



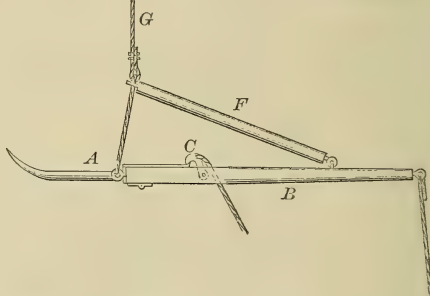
52057—L. Legran—*Artificial Leg.*



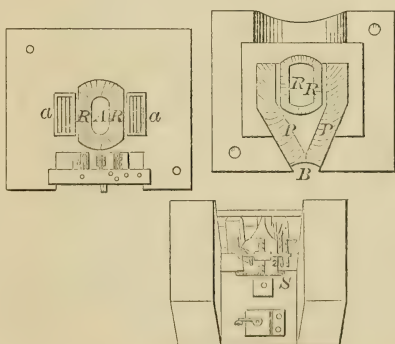
52059—J. F. Light—*Shipper Device.*



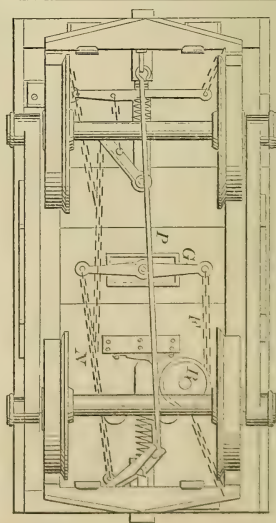
52060—R. W. Liscomb—*Horse Hay Fork.*



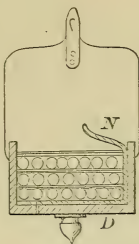
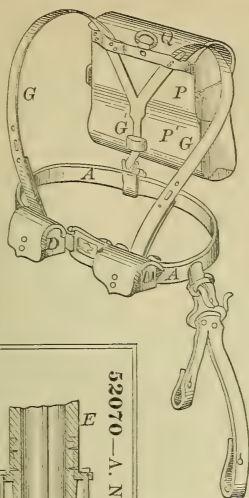
52061—J. L. Livingston—*Lime Kiln.*



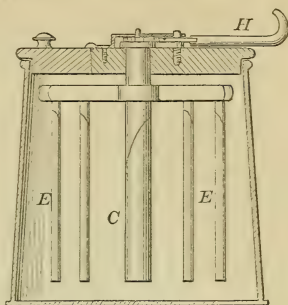
52063—G. F. Lynch—*Car Brake.*



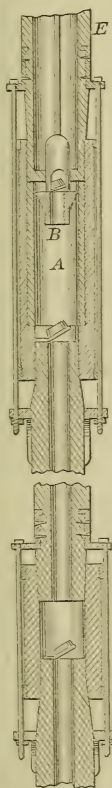
52064—J. K. Mizner—*Cavalry Accoutrements.*



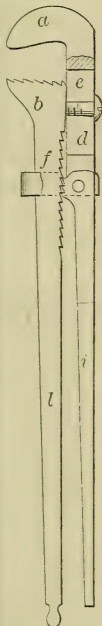
52066—J. O'Donald—*Churn.*



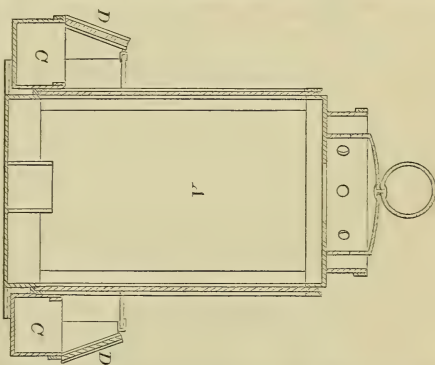
52070—A. N. Parkhurst—*Pump.*



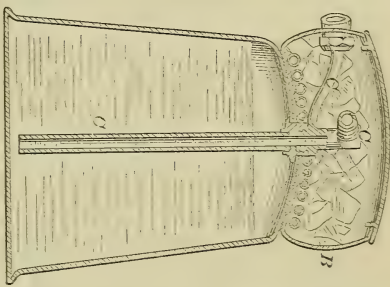
52065—J. Moulton—*Pipe Tongs.*



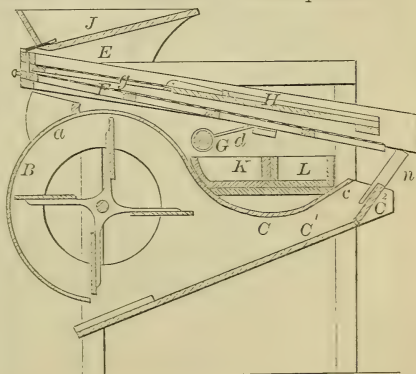
52067—W. Ogden—*Insulated Tray.*



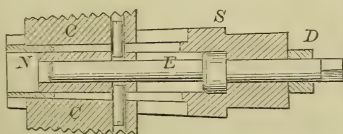
52069—A. J. Ohmer—*Soda Fountain.*

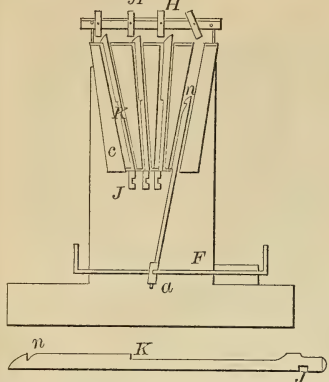
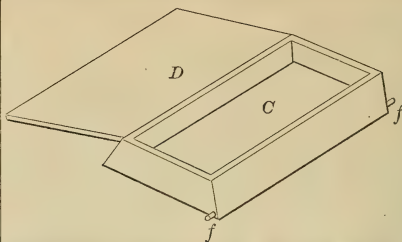
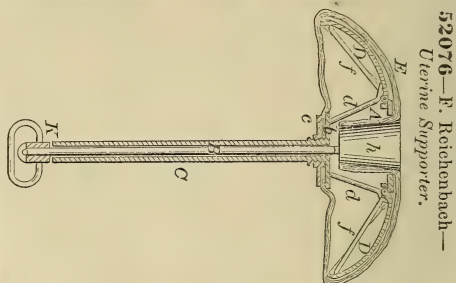
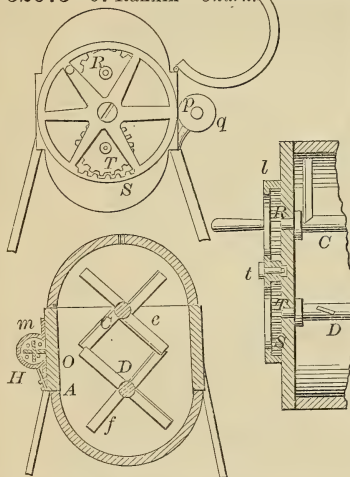
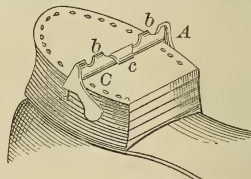
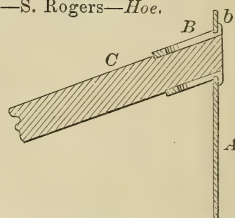
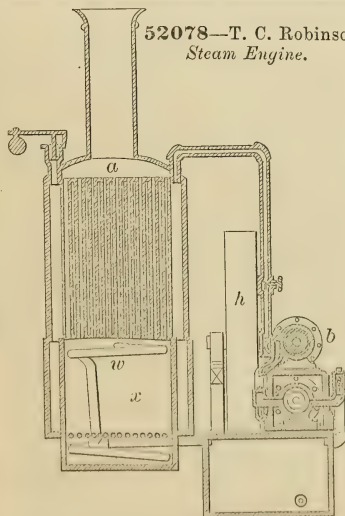
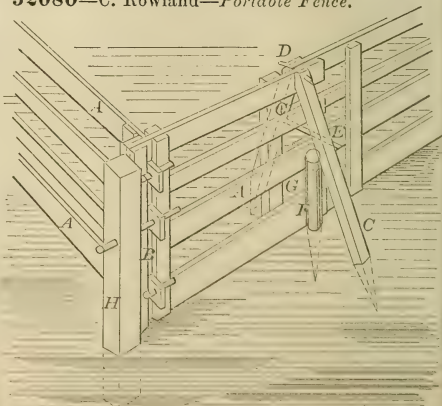


52071—E. C. Patterson—*Grain Separator.*



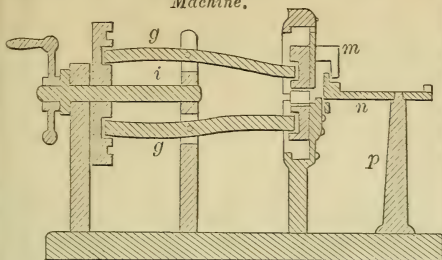
52068—G. A. Ohl—*Expanding Trap.*



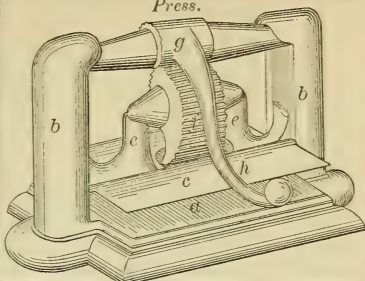
**52073**—J. Paulding—*For Setting Type.***52074**—I. L. Plumer—*Trunk.***52075**—J. Rankin—*Churn.***52076**—F. Reichenbach—*Uterine Supporter.***52077**—Richardson & Morse—*Heel Calk.***52079**—S. Rogers—*Hoe.***52078**—T. C. Robinson  
*Steam Engine.***52080**—C. Rowland—*Portable Fence.*



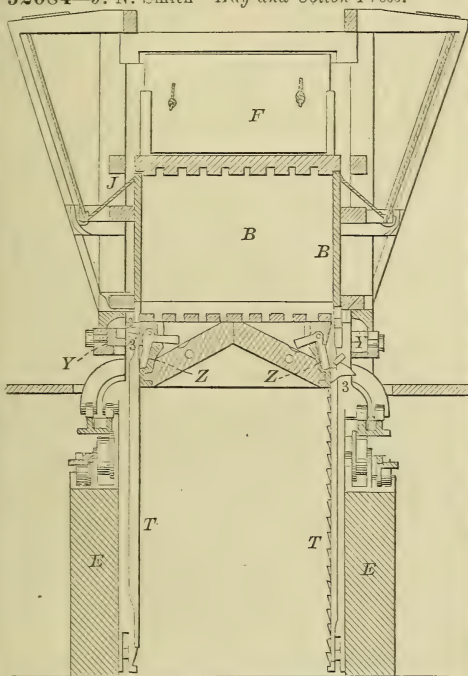
52081—Sargent & Rider—Horse Shoe Nail Machine.



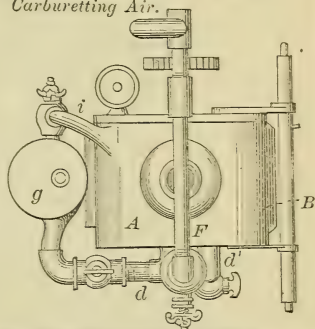
52086—Spaulding & Coffin—Copying Press.



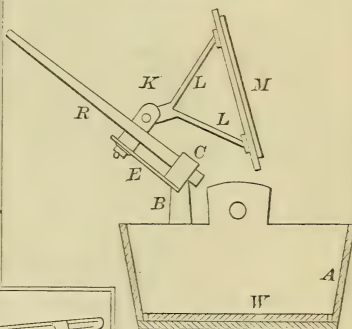
52084—J. N. Smith—Hay and Cotton Press.



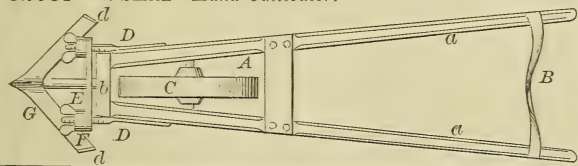
52087—J. F. Spence—For Carburetting Air.



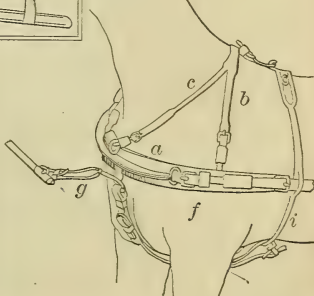
52085—S. Spelman—Washing Machine.



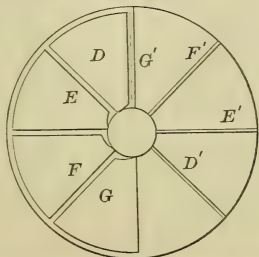
52083—G. Smith—Hand Cultivator.



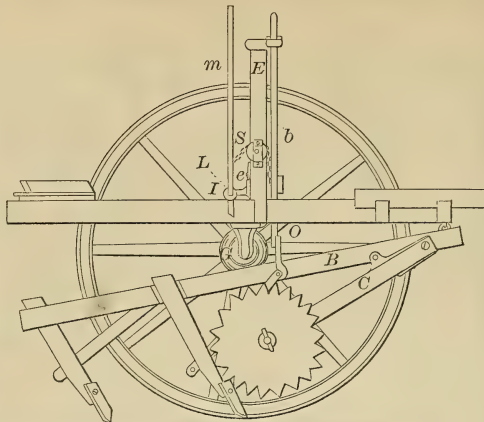
52088—S. E. Stowell—Brest Collar.



52082—W. H. Sears—Tide Wheel.



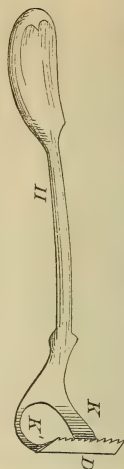
52093—Thomas &amp; Mast—Cultivator.



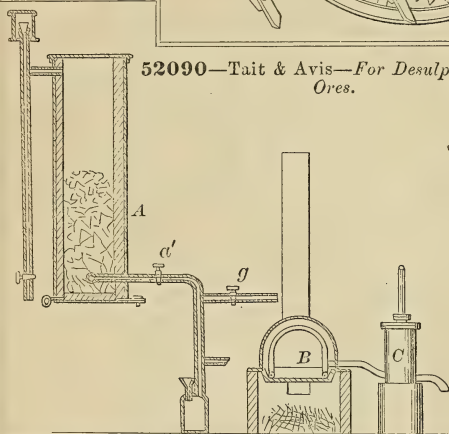
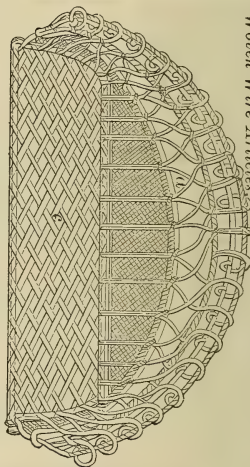
52089—A. W. Strub—Railroad Car Wheel.



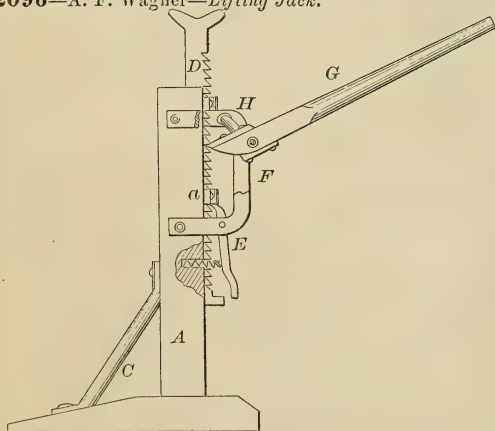
52092—E. L. Tevis—Corn Sheller.



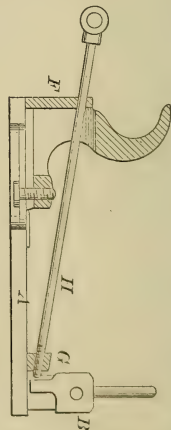
52090—Tait &amp; Avis—For Desulphurizing Ores.

52094—Toplift & Tunnington—Manufacturing  
Woven Wire Articles.

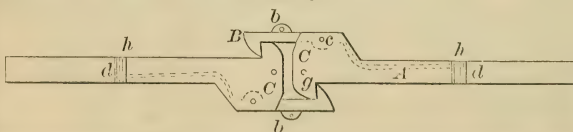
52096—A. F. Wagner—Lifting Jack.



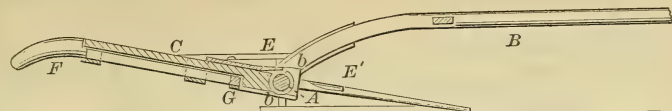
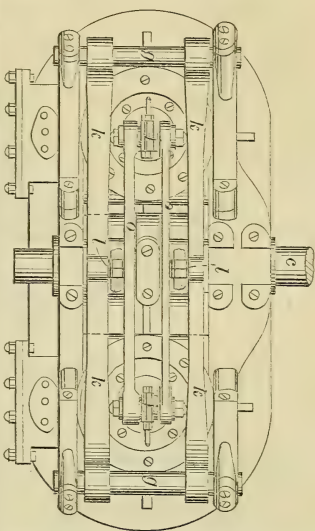
52095—A. K. Washburn—Pegging Jack.



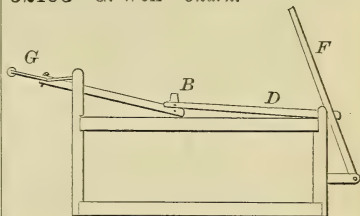
52097—H. Webster—Car Coupling.



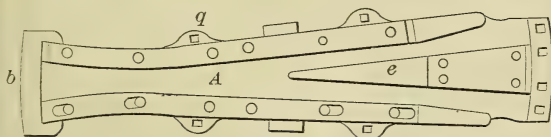
52098—A. Wells—*Horse Rake.*

52101—N. W. Wheeler—*Triangular Beam Engine.*

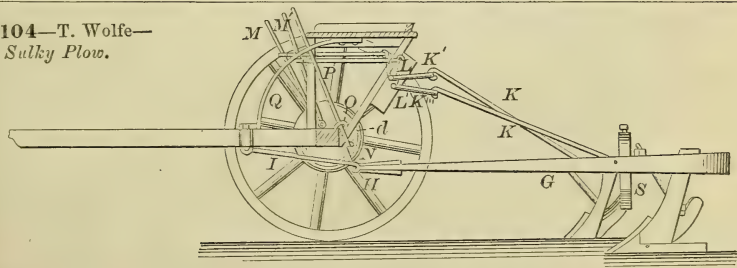
52103—G. Wolf—*Churn.*



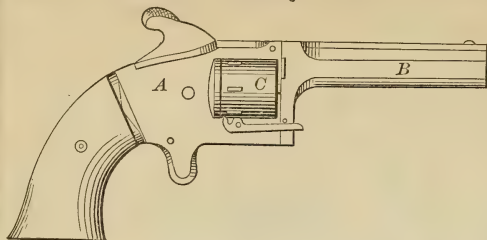
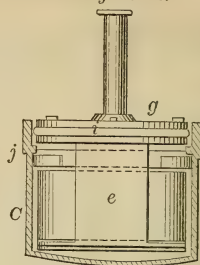
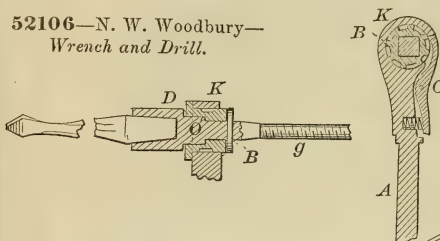
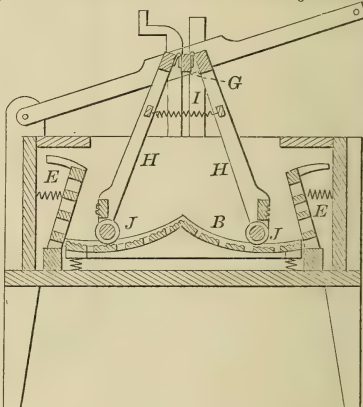
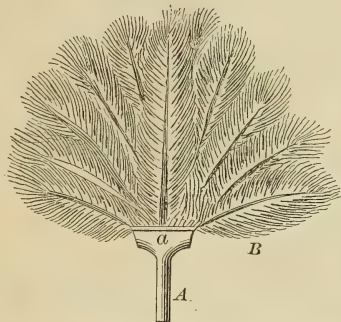
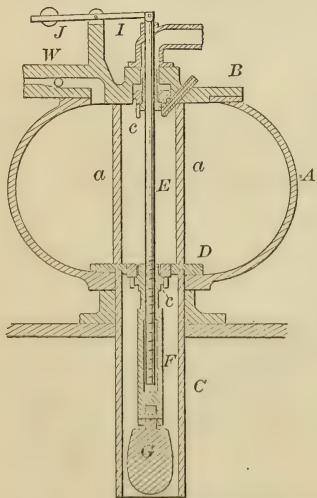
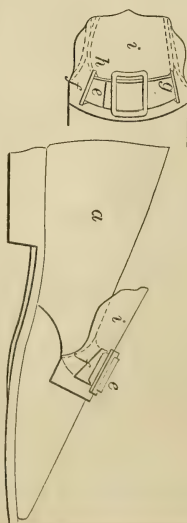
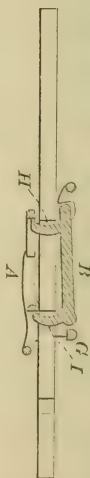
52099—W. Wharton, Jr.—*Railroad Frog.*

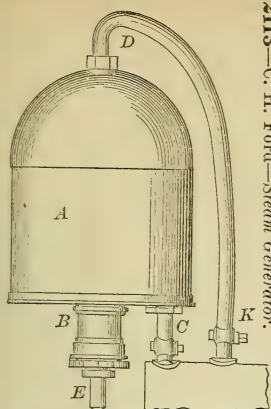


52104—T. Wolfe—  
*Sulky Plow.*

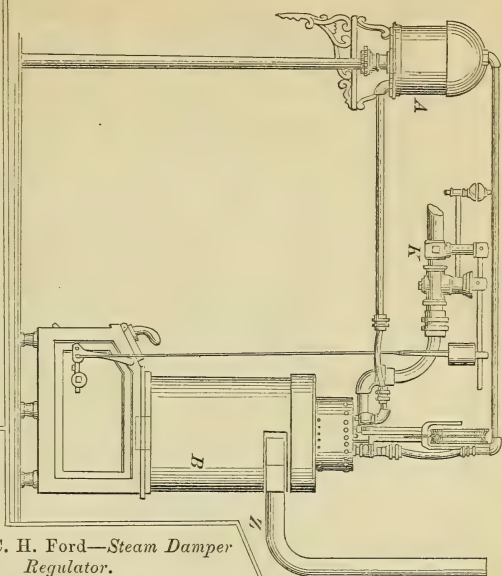




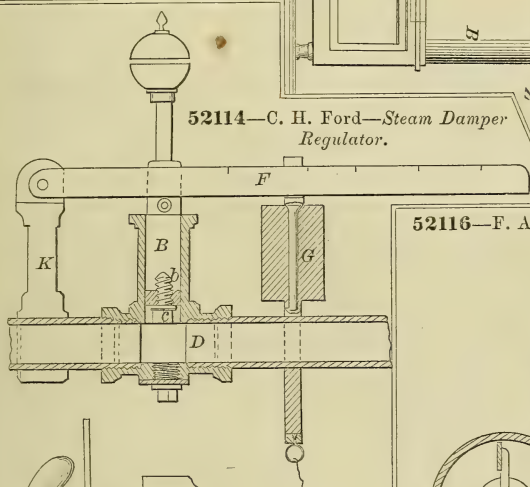
52105—S. W. Wood—*Cartridge Retracter*.52107—A. B. Woodward—*Vulcanizing Flask*.52106—N. W. Woodbury—*Wrench and Drill*.52108—J. Adams—*Washing Machine*.52109—G. Anton—*Fan*.52111—J. B. Collen—*Steam Generator*.52110—J. C. Bailey—*Shoe*.52112—S. P. Crafts—*Buckle*.



52113—C. H. Ford—Steam Generator.

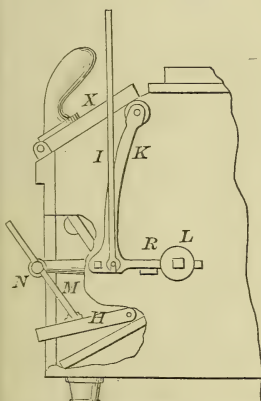
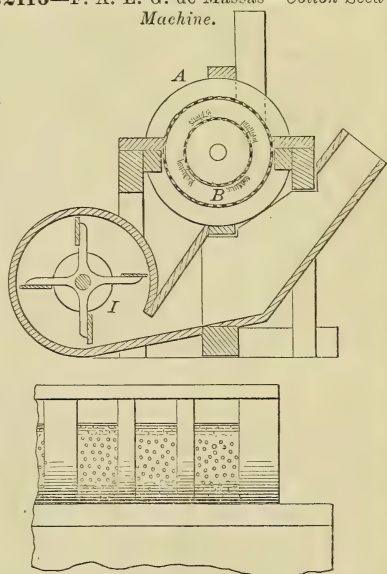


52115—C. H. Ford—Steam Generator.

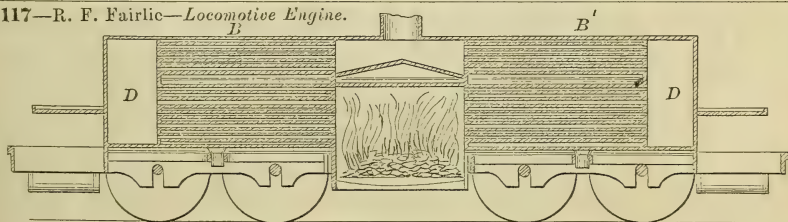


52114—C. H. Ford—Steam Damper Regulator.

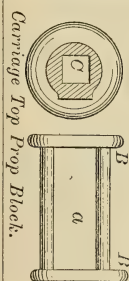
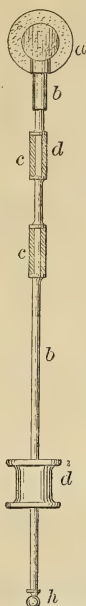
52116—F. A. E. G. de Massas—Cotton Seed Machine.



52117—R. F. Fairlie—Locomotive Engine.



52118—J. Haworth—Brush.

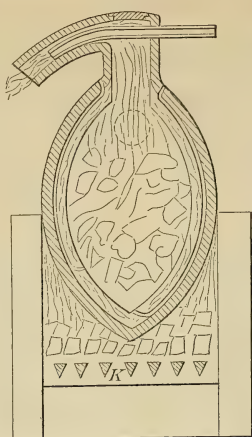


Carriage Top Prop Block.

52126—W. N. Barnett—

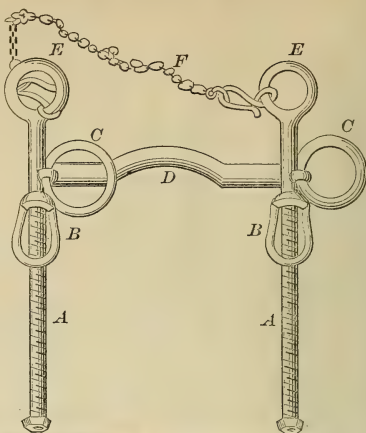


52119—F. P. Catlin—Sash Supporter.

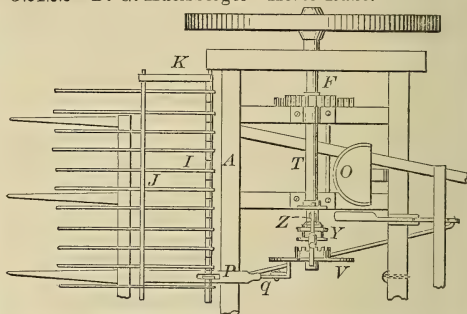


52120—J. Absterdam—For Desulfurizing Ores.

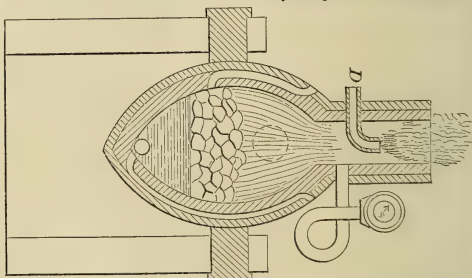
52125—W. C. Baker—Curb Bit.



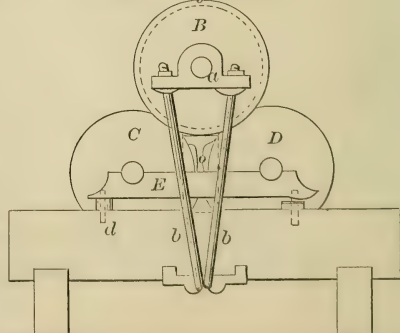
52122—D. G. Adelsberger—Horse Rake.



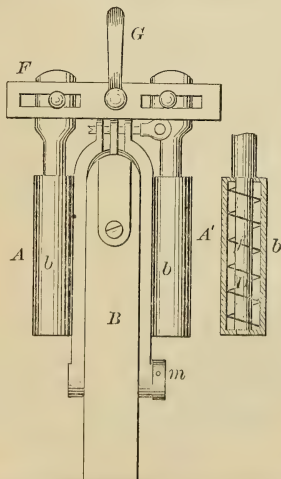
52121—J. Absterdam—For Refining Iron and Steel.



52127—G. Bevitt—Sugar Mill.

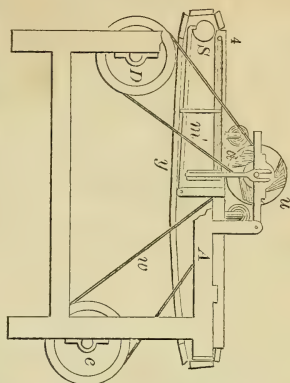


52123—L. W. Alden—Plow Clevis.

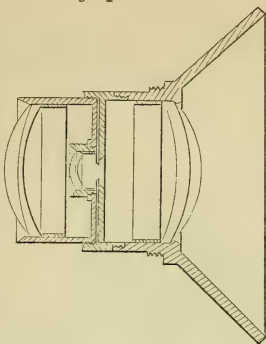




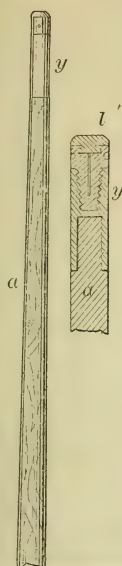
52130—R. H. Boynton—Spoke Machine.



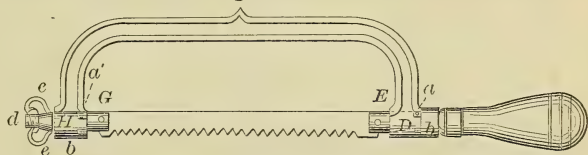
52129—C. B. Boyle—  
Photographic Lens.



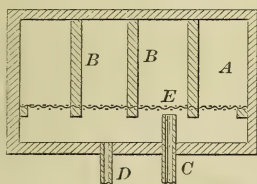
52128—G. Bevil—Billiard Cue.



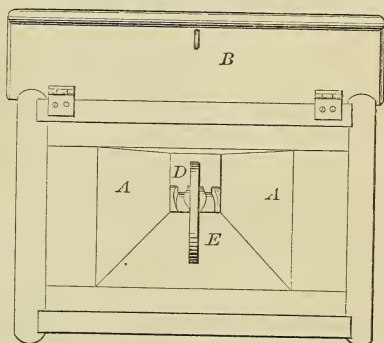
52131—R. M. Breckenridge—Hand Saw.



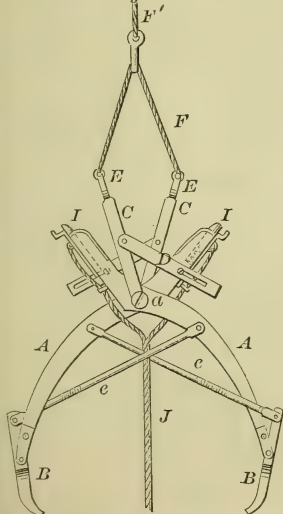
52133—A. C. Brush—Treating  
Fur.



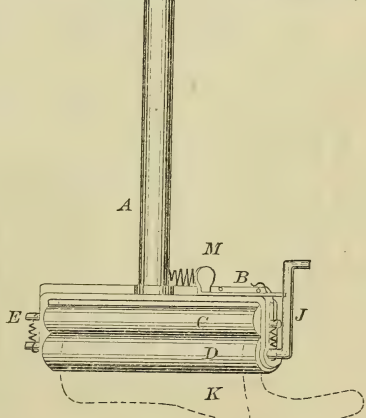
52135—H. Bundel—Seeding Machine.



52134—E. & A. Buckman—  
Horse Hay Fork.

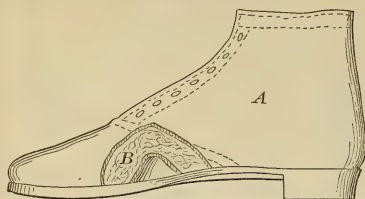
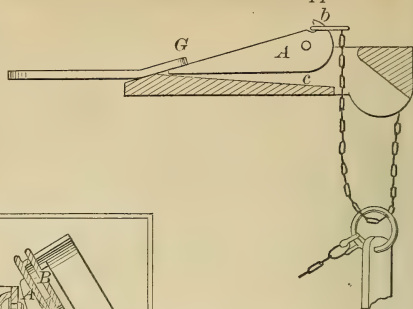
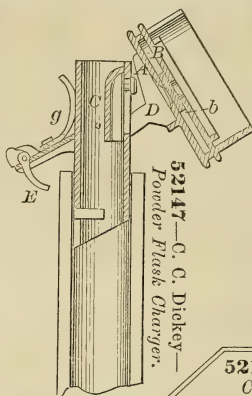
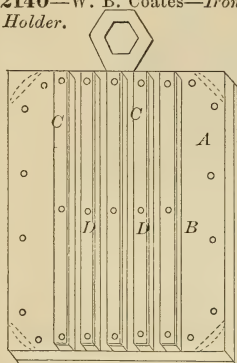
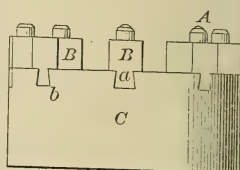
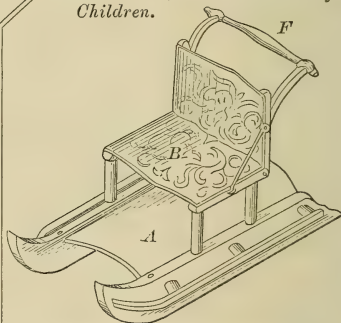
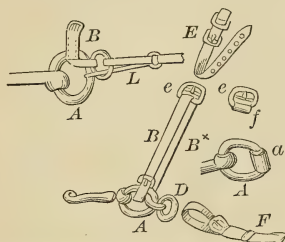
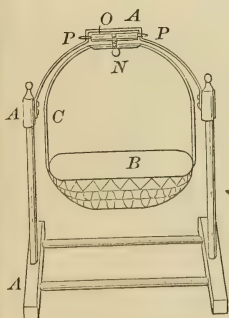
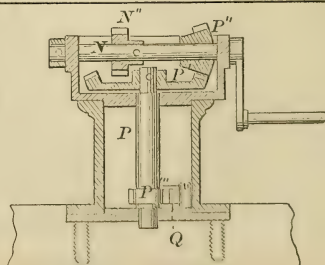
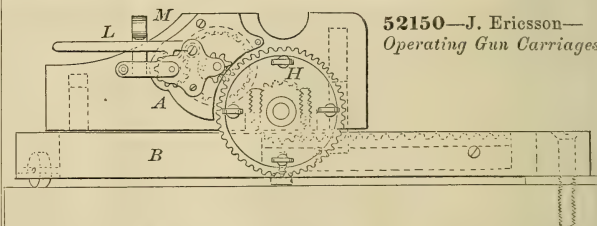


52136—M. P. Carpenter—Mop Wringer.

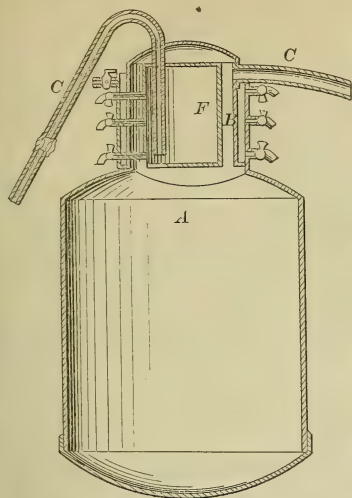


52137—W. I. Carroll—Cotton Tie.

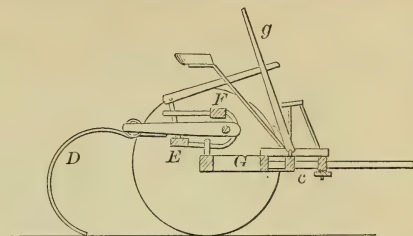


52138—E. Chesterman—*Shoe.*52143—E. Davidson—*Anchor Tripper.*52140—W. B. Coates—*Iron Holder.*52147—C. C. Dickey—*Powder Flask Charger.*52148—L. Dow—*Drilling Tool.*52141—J. A. Crandall—*Sled for Children.*52139—Christ & Stehman—*Safety Bridle.*52146—A. Dick—*Cradle.*52150—J. Ericsson—*Operating Gun Carriages.*

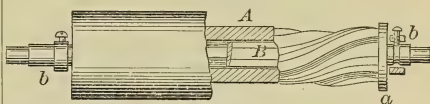
**52151**—L. S. Fales—*For the Distillation of Tar, &c.*



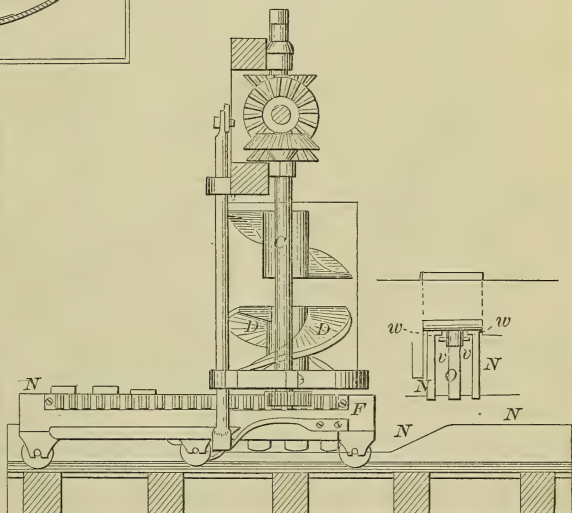
**52152**—C. H. Finson—*Horse Rake.*



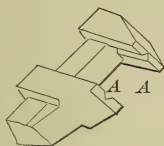
**52153**—J. B. Forsyth—*Roller for Wringers.*



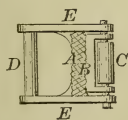
**52156**—E. R. Gard—*Brick Machine.*



**52155**—E. P. Furlong—*Wrench.*



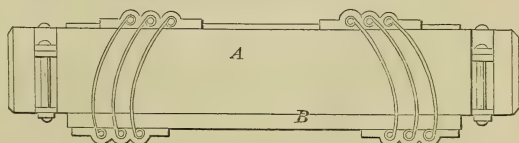
**52154**—R. E. Frye—*Buckle.*



**52157**—E. M. Gardner—*Ice Creeper.*

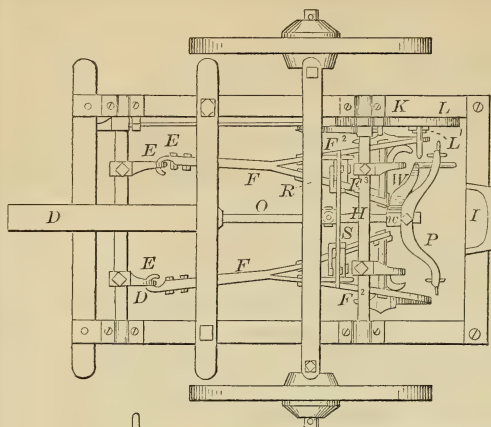


**52158**—J. L. Gill, Jr.—*Railroad Car Truck.*

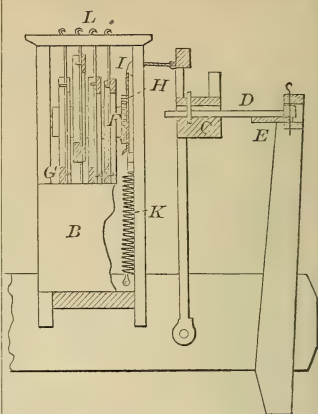




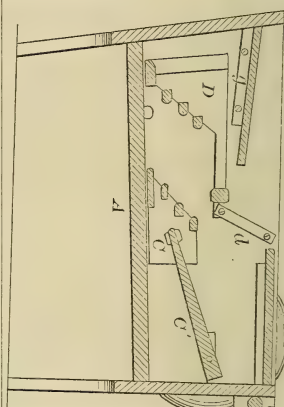
52159—J. S. Gilmore—*Cultivator Plow.*



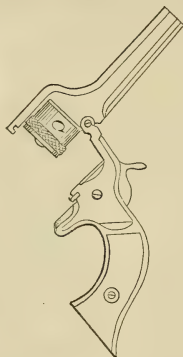
52161—Gordon & Frame—*Loom.*



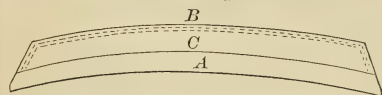
52160—J. S., E. J. & R. (Godfrey—Washington



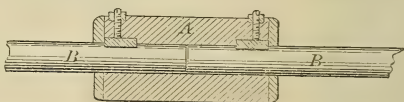
52165—J. Hammond—*Cartridge Rebuter.*



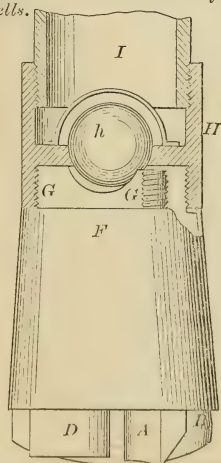
52163—S. S. Gray—*Paper Collar.*



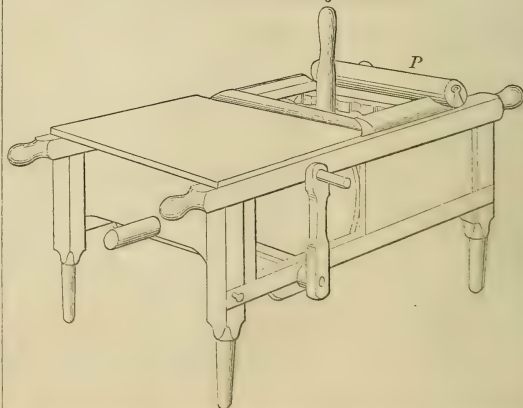
52162—L. Gray—*Coupling for Shafting.*



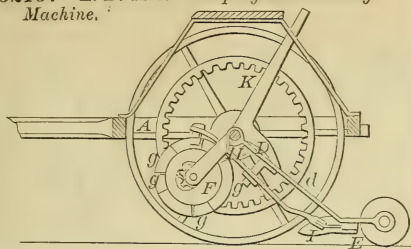
52164—J. Grieves—*Drill for Wells.*



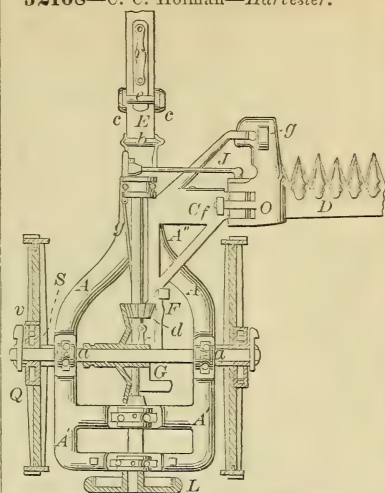
52166—J. I. Herrick—*Washing Machine.*



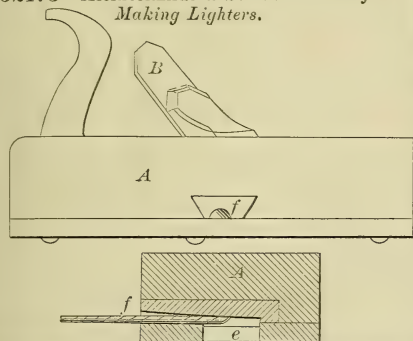
52167—L. B. Hoit—Reaping and Mowing Machine.



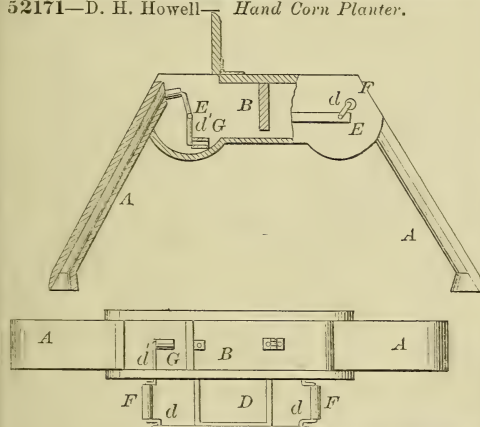
52168—C. C. Holman—Harvester.



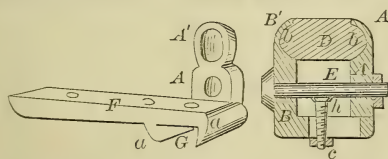
52173—Kleinschmidt & Schlater—Tool for Making Lighters.



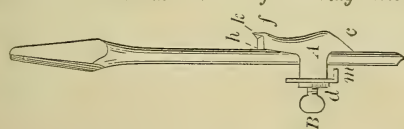
52171—D. H. Howell—Hand Corn Planter.



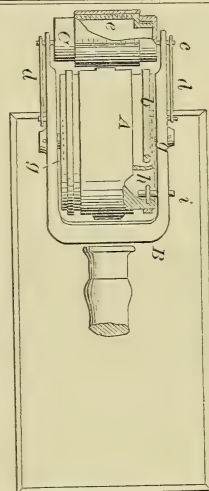
52170—J. Howarth—Coupling for Carriage Thills.



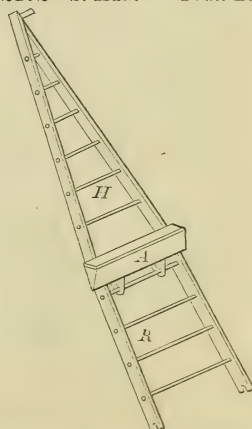
52174—Kimball & Parsons—Bit for Boring Holes.



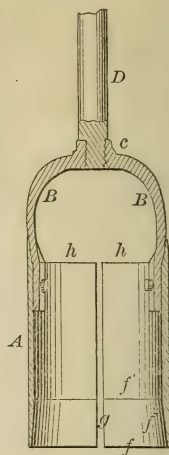
52169—H. Hoit—Marking Wheel.



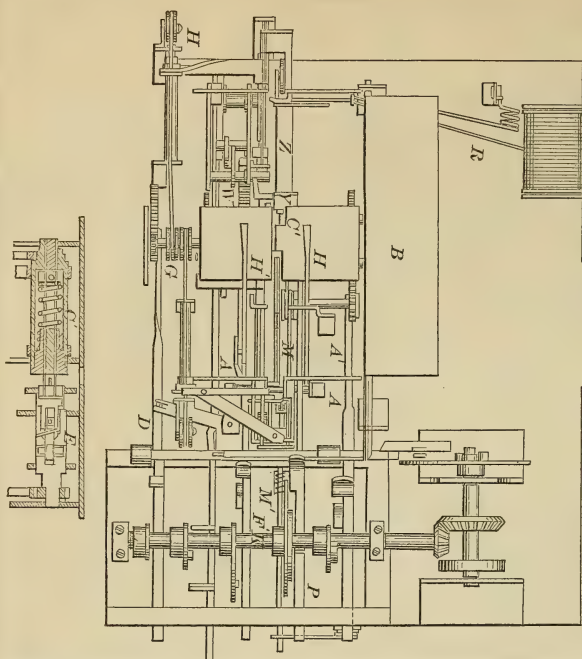
52172—S. Hudson—Fruit Ladder.



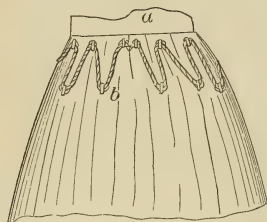
52180—

Leeds & Hollowell—  
Post Hole Auger.

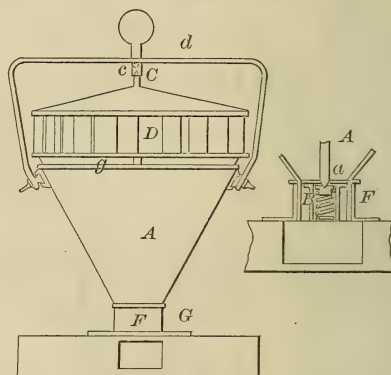
52175—L. Lancaster—Grain Binder.



52179—R. Leavitt—Eyelet.

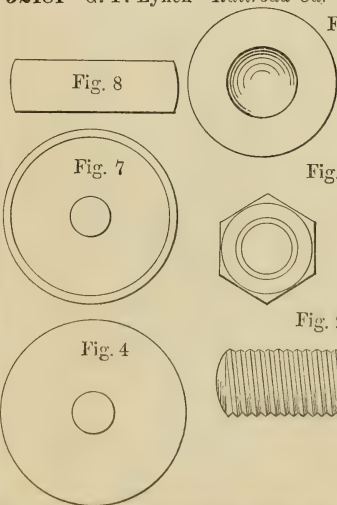


52177—P. Lear—Chimney Cap.

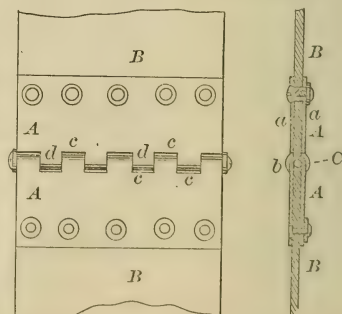


52181—G. F. Lynch—Railroad Car Box.

Fig. 5

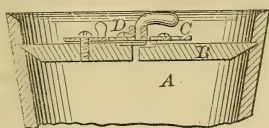


52178—W. Leas—Belt Coupling.

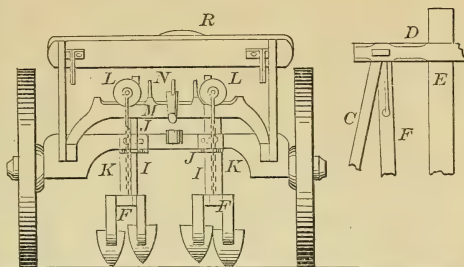




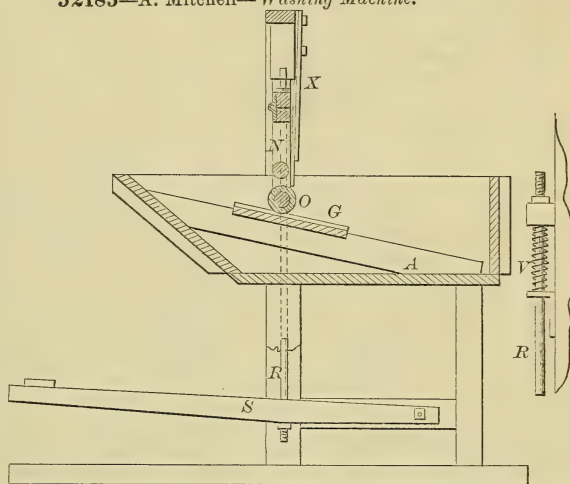
52182—J. McCammon—Barrel Head.



52184—S. G. Mills—Cultivator.



52185—A. Mitchell—Washing Machine.



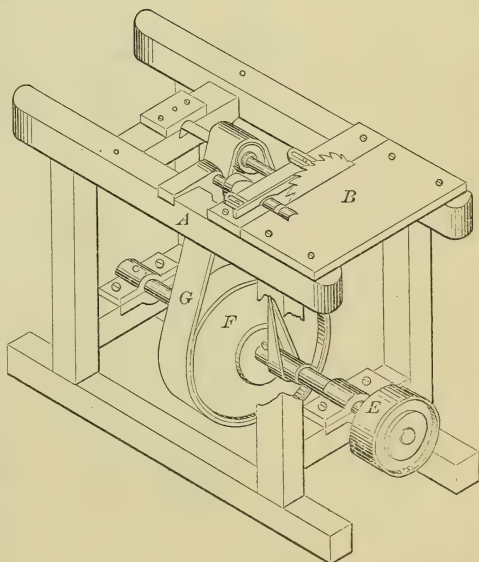
52183—M. McGonnigle—Lock.



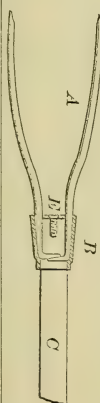
52187—W. Morley—Thill-Holding Loop.

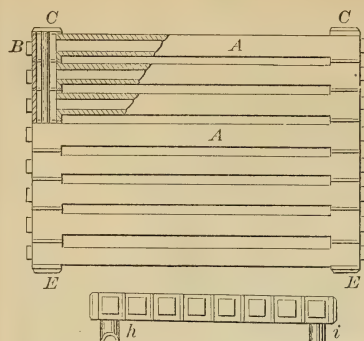
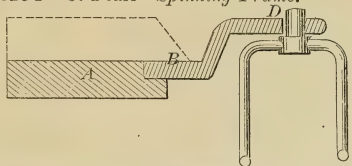
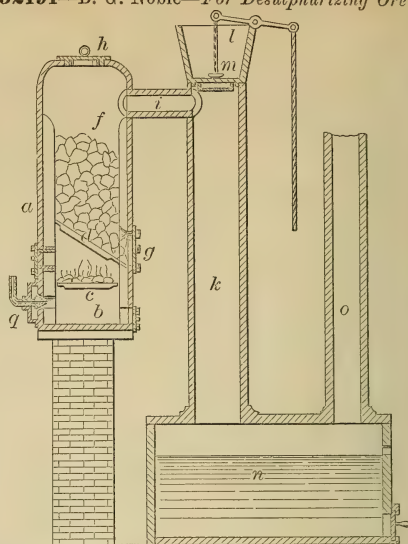
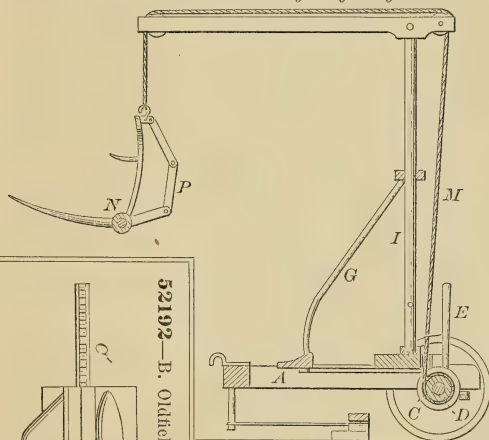
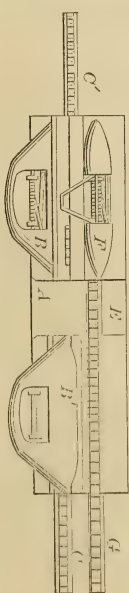
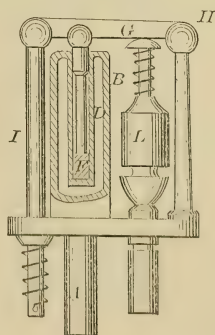
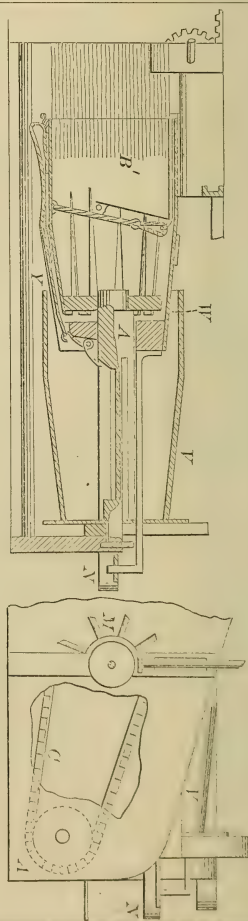


52188—J. Mutt—Feed Rollers to Circular Saws.

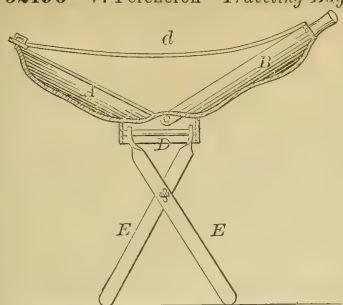


52186—J. A. Montgomery—Hay Fork.

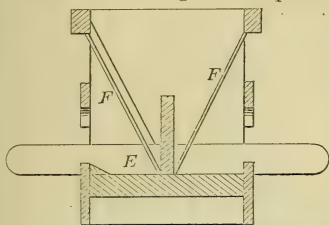


**52189**—G. S. Nevins—*Grate Bars.***52193**—O. Pearl—*Spinning Frame.***52191**—B. G. Noble—*For Desulphurizing Ore.***52190**—Niles & Gillett—*Loading Hay Wagons.***52192**—B. Oldfield—*Loom.***52194**—M. Peek—*Low Water Detector.***52195**—T. W. Pierce—*Reaping and Binding Machine.*

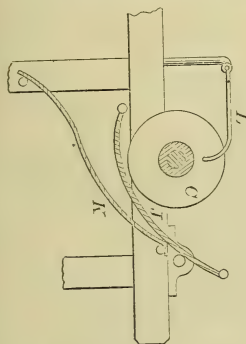
52196—V. Percheron—*Traveling Bag.*



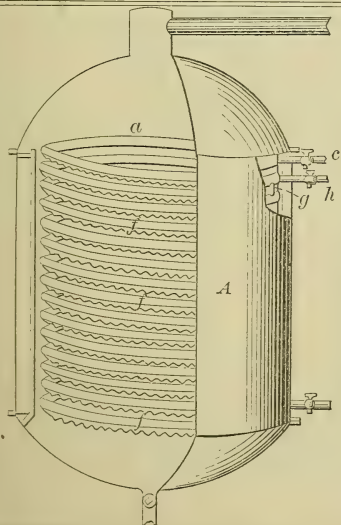
52198—D. L. Pettigrew—*Sheep Rack.*



52199—T. J. Price—*Straw Cutter.*



52197—G. R. Percy—*Vacuum Pan.*



52201—F. B. Pye—*Knob Latch.*

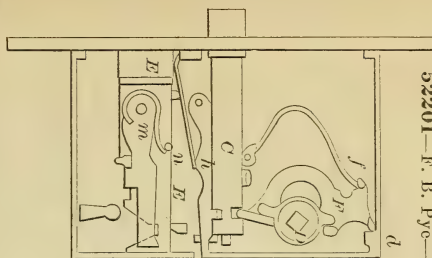


Fig. 5

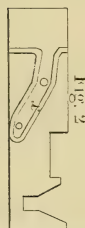
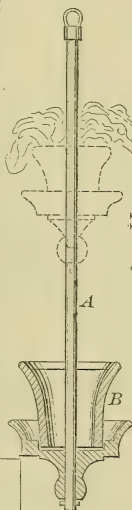


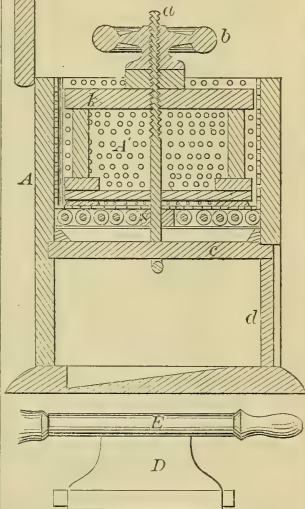
Fig. 8



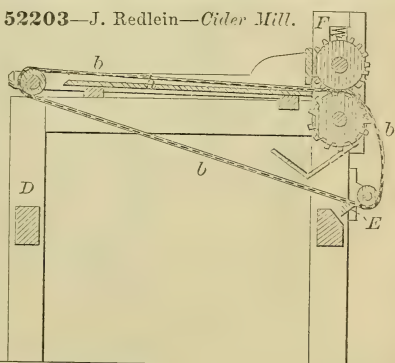
52200—T. Prince—*Support for Flower Pots.*



52202—A. L. Rand—*Wine Press.*

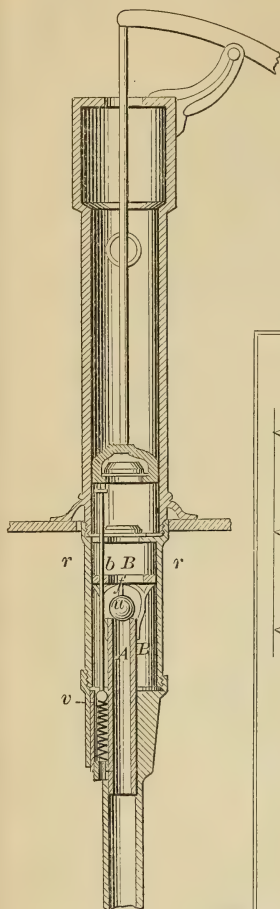


52203—J. Redlein—*Cider Mill.*

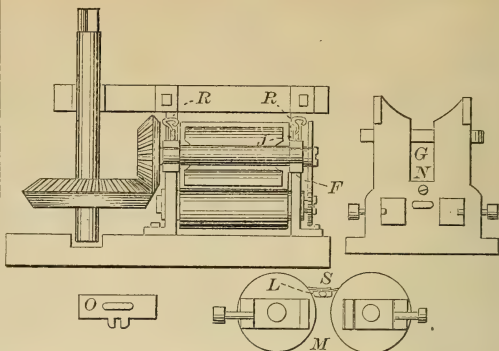




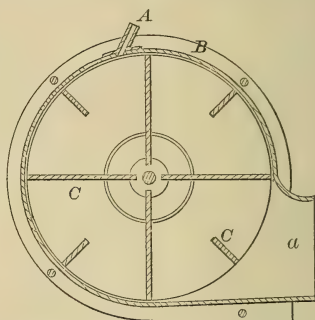
**52204**—Richardson & Hughes—*Pump Filter.*



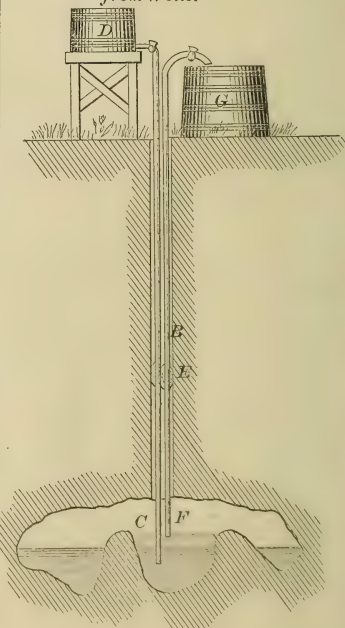
**52207**—T. L. Roberts—*Mill for Grinding Sugar Cane.*



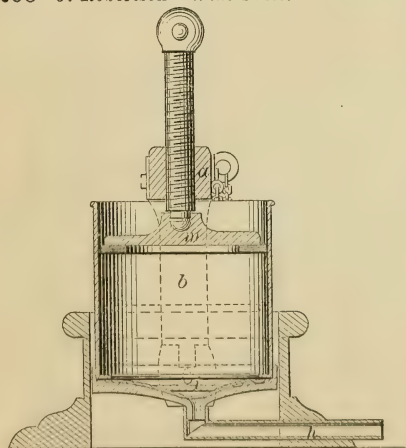
**52206**—A. K. Rider—*Steam Blower.*



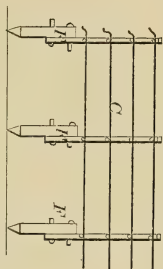
**52209**—O. Rotton—*Obtaining Oil from Wells.*



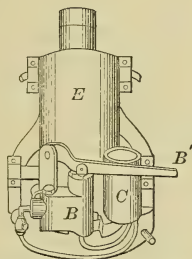
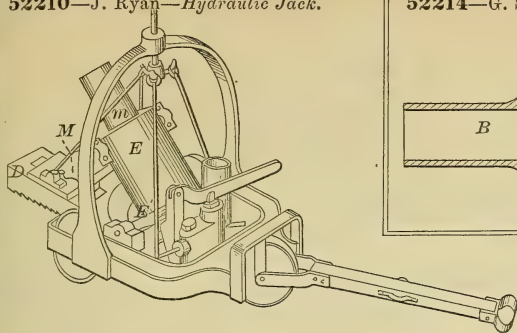
**52208**—J. Robertson—*Wine Press.*



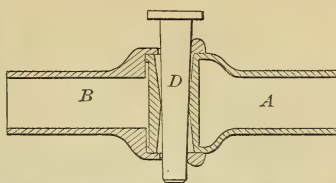
**52205**—D. T. Riekey—*Grape Trellis.*



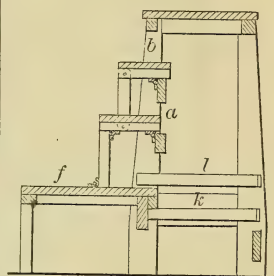
52210—J. Ryan—Hydraulic Jack.



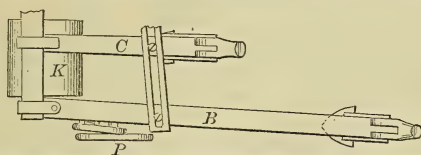
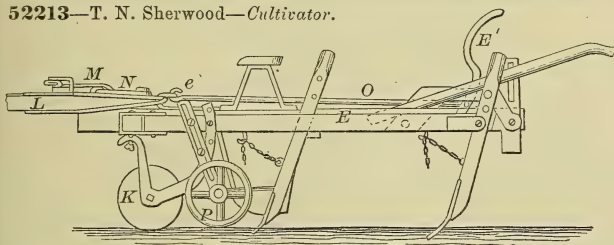
52214—G. Shone—Pipe Coupling.



52211—C. C. Schmitt—Step Ladder.



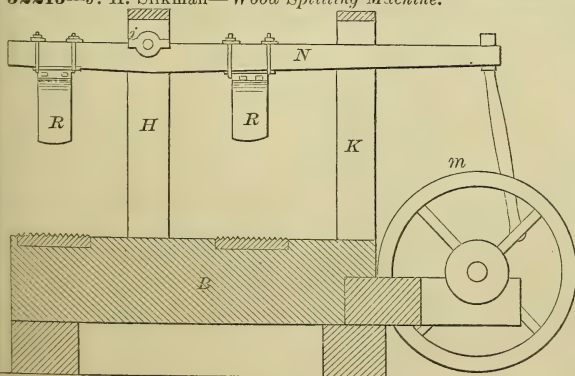
52213—T. N. Sherwood—Cultivator.



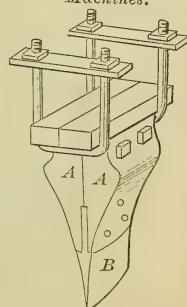
52212—Sennett & Essex—Shale.



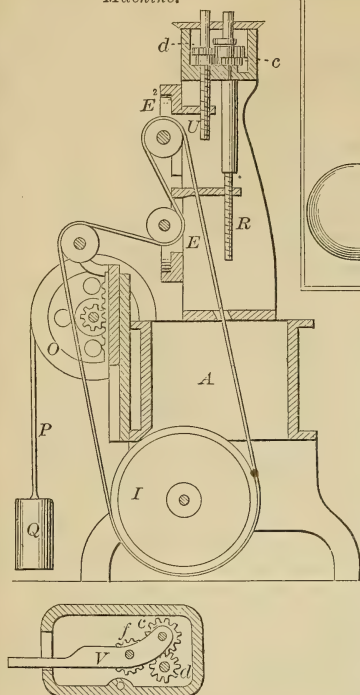
52215—J. H. Silkman—Wood Splitting Machine.



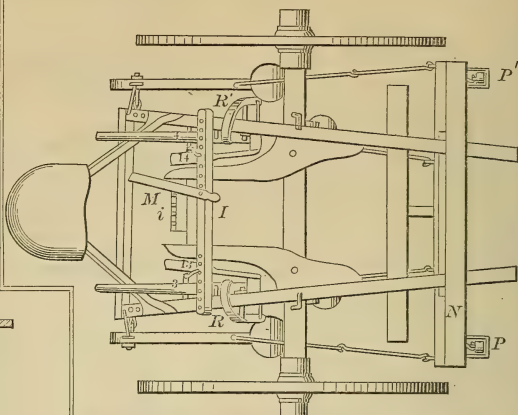
52216—J. H. Silkman—Axe for Wood Splitting Machines.



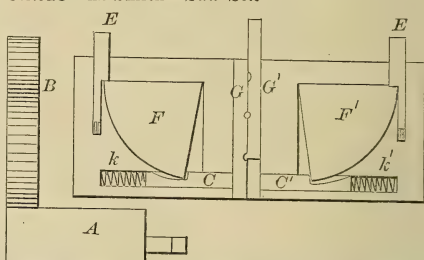
52219—H. B. Smith—Tenoning Machine.



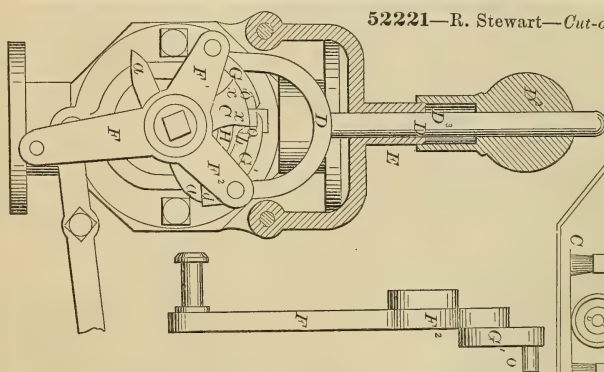
52217—J. B. Skinner—Cultivator.



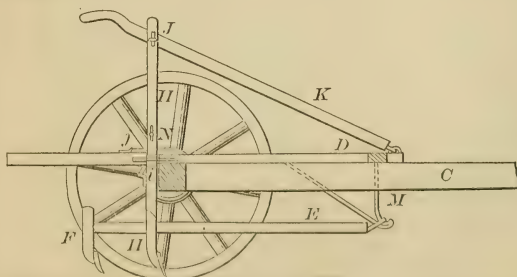
52218—E. Smith—Saw Set.



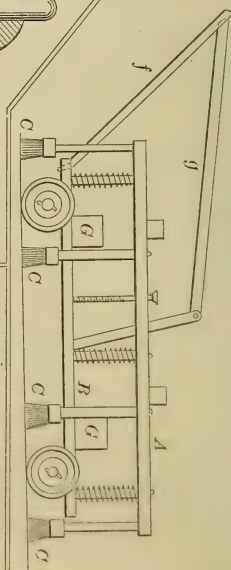
52221—R. Stewart—Cut-off Valve.



52222—L. Strickland—Cultivator Plow.

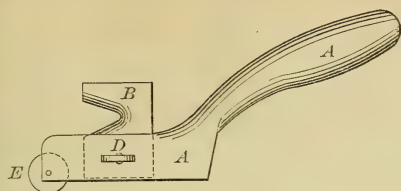


52220—W. S. Smyth—Scrubbing Machine.

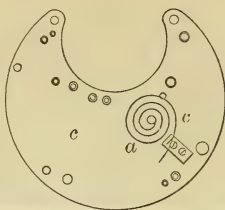




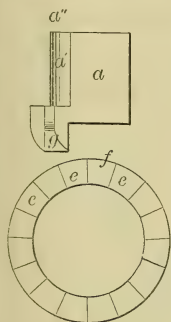
52223—M. A. Sunderland—For Cutting Oil Cloth.



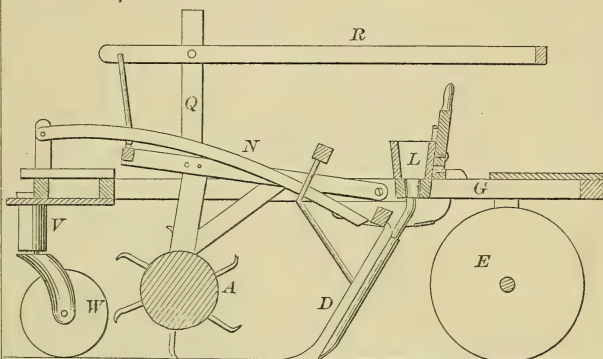
52227—A. Wadsworth—Watch.



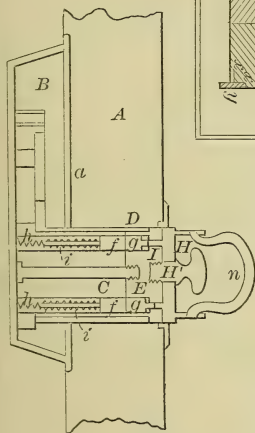
52224—F. Swatzel—Water Wheel.



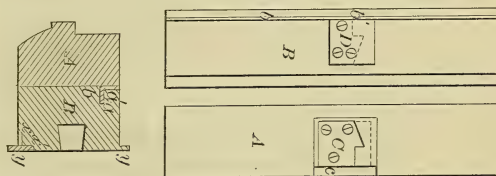
52225—J. Tedford—Seed Drill.



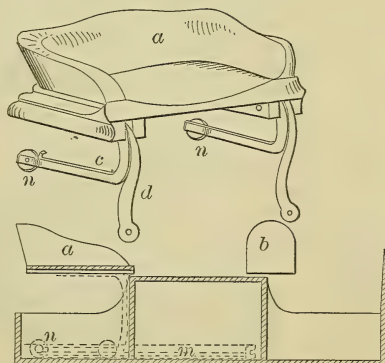
52226—C. F. Toll—Lock.



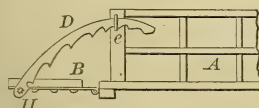
52228—S. Wales—Window.



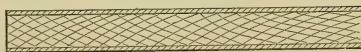
52229—R. Walker—Carriage Seat.

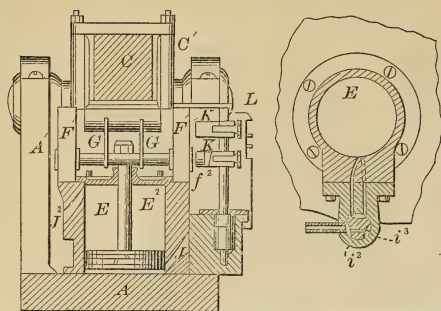
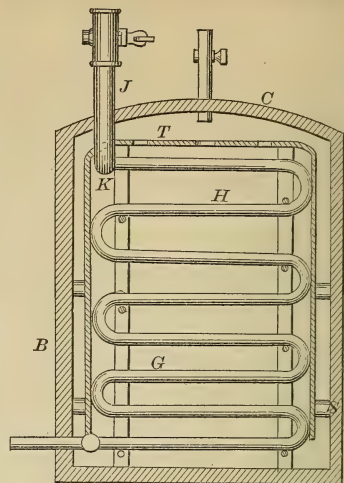
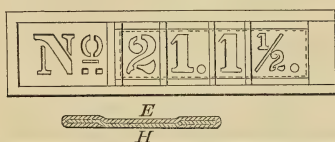
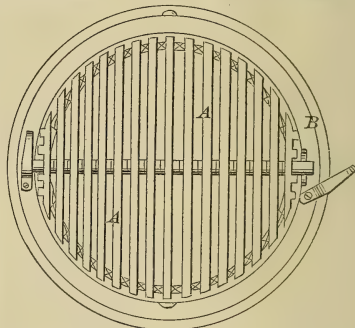
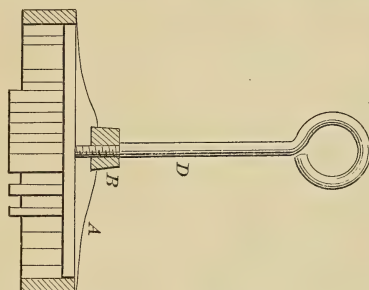
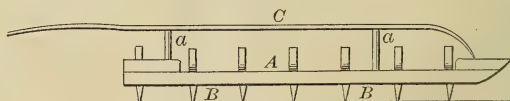
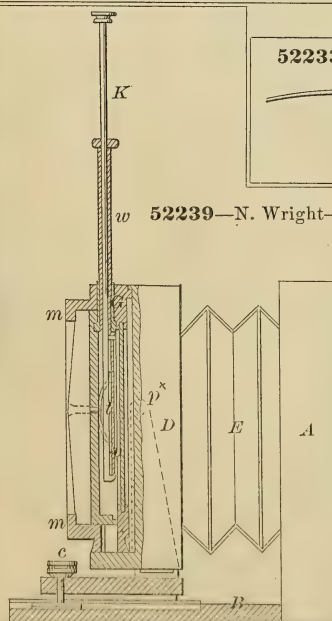
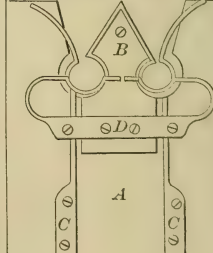
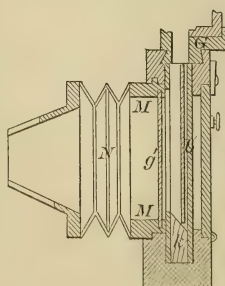


52230—S. Walker—Self-Locking Tail Board.

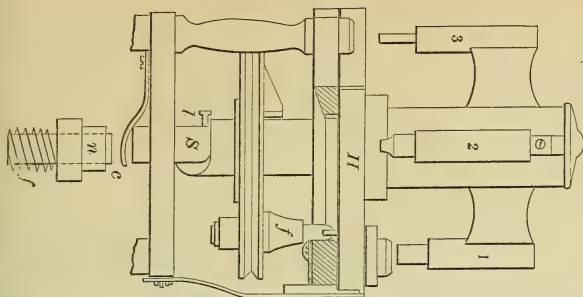


52231—B. F. Walton—Lamp Wick.

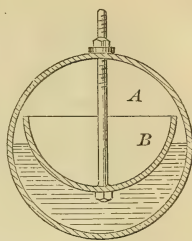


52232—J. Watt—*Steam Hammer.*52235—J. G. Whitlock—*Steam Oven.*52234—J. Wentz—*Stencil Plate.*52236—C. Whittier—*Furnace Grate.*52238—J. P. Worrall—*Branding Tool.*52233—M. D. Wells—*Harrow.*w 52239—N. Wright—*Photographic Apparatus.*52237—H. B. Wolf—*Sorghum Cane Stripper.*

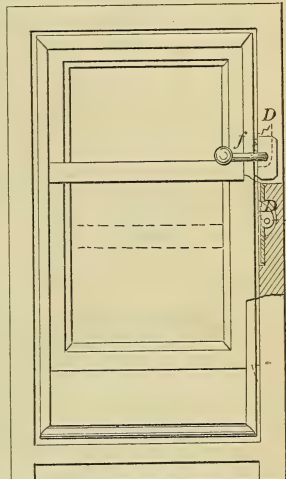
52240—S. W. Young—For Making Eyelet Blanks.



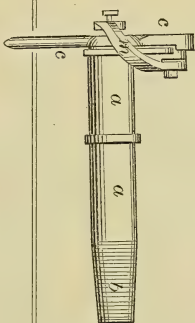
52243—C. H. Ford—  
Steam Generator.



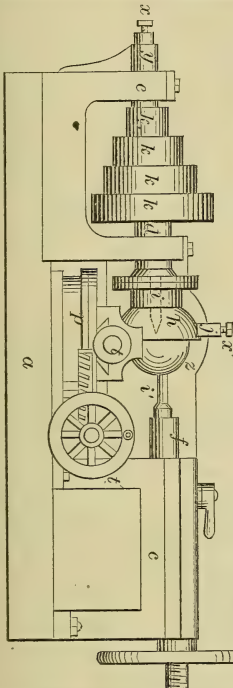
52242—I. B. Cottrell's Sash Fastening.



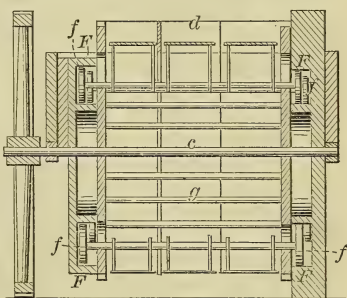
52241—H. D. Blake—Molasses Funnel.



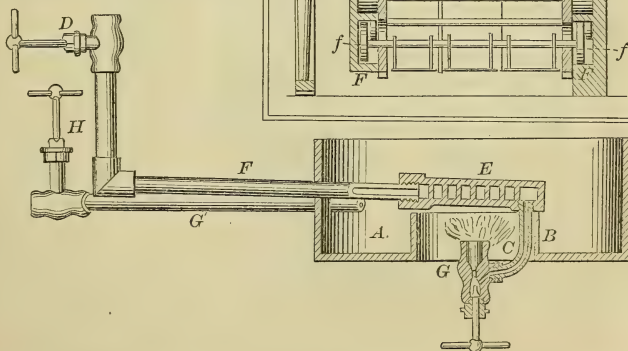
52244—C. Foster—Lathe for Turning Spherical Shot.



52245—J. Grant—Brick Machine.

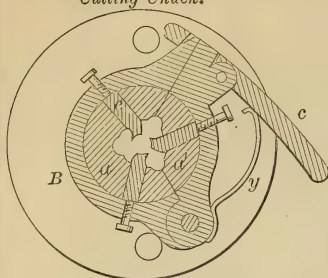


52246—A. J. Griffin—Hydro-Carbon  
Stove.

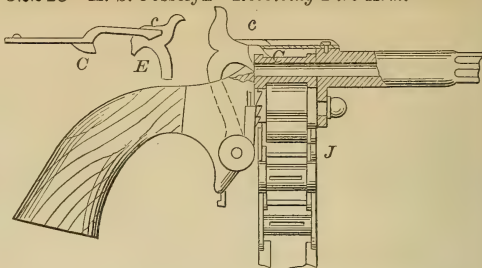




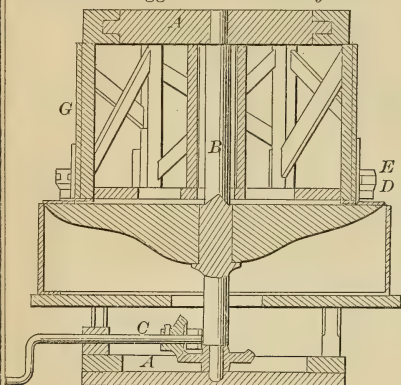
**52247**—F. H. Higgins—*Screw Cutting Chuck.*



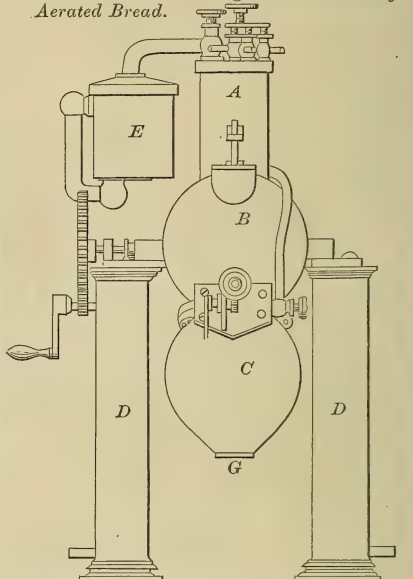
**52248**—H. S. Josselyn—*Revolving Fire Arm.*



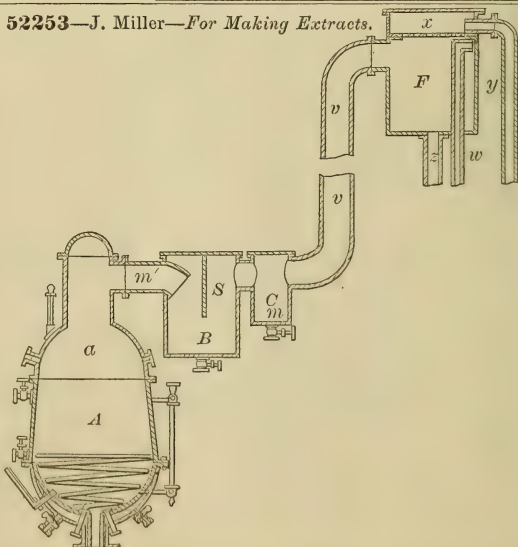
**52251**—J. Taggart—*For Slivering Wood.*



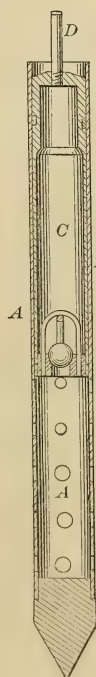
**52252**—Howard & Danglish—*For Making Aerated Bread.*



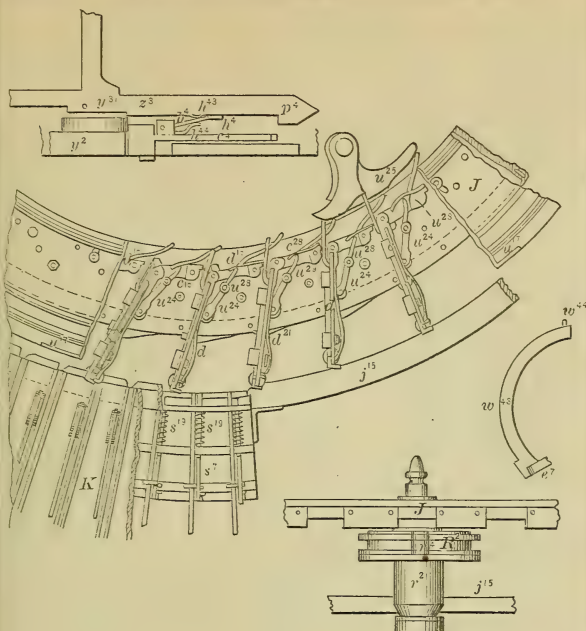
**52253**—J. Miller—*For Making Extracts.*



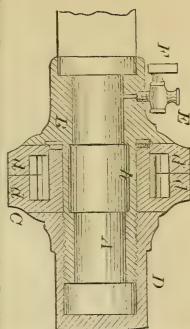
**52249**—M. V. Nobles—*Mode of Sinking Tubular Wells.*



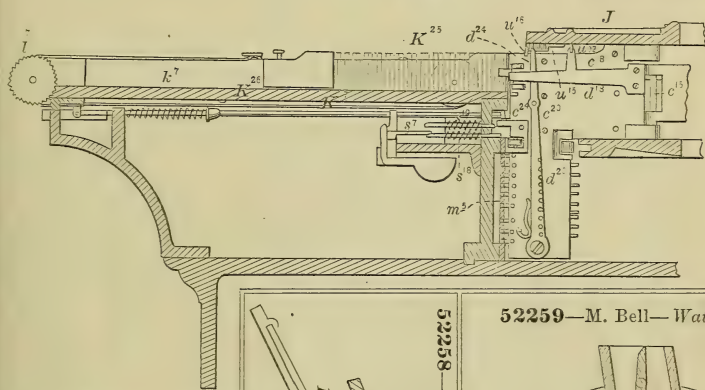
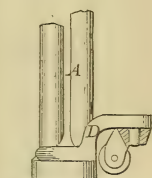
52254—Alden & Mackay—Setting and Distributing Types.



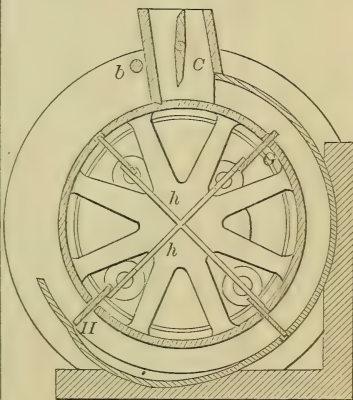
52255—J. Abbott—Metallic Hub.



52257—W. B. Bartram—Furniture Casters.



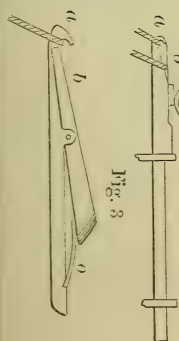
52259—M. Bell—Water Wheel.



52258—F. Beals—Breech-Loading Fire Arm.



52256—J. M. Armour—Knitting Machine Needle.



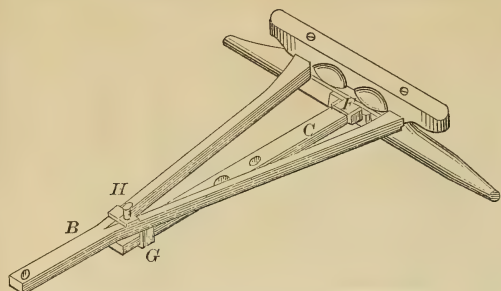
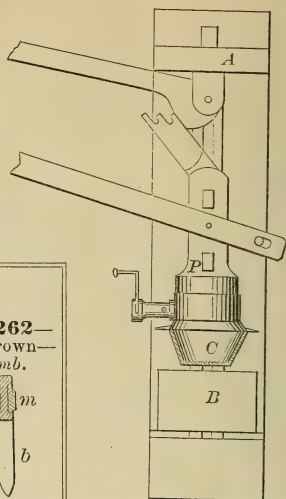
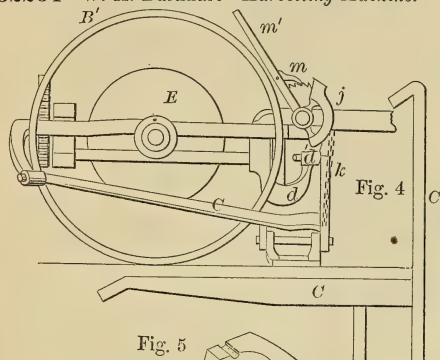
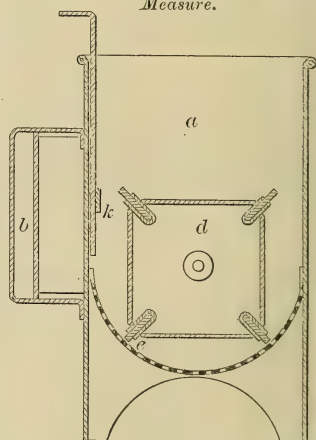
**52260**—G. & W. Bench—*Reach for Lumber Wagons.***52261**—H. R. Bodine—*For Making Pottery Ware.***52264**—W. H. Burkhardt—*Harvesting Machine.***52262**—E. Brown—*Comb.***52266**—G. G. Carver—*Flour Sifter and Measure.*

Fig. 5

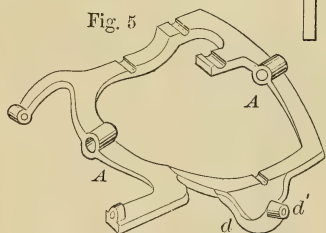
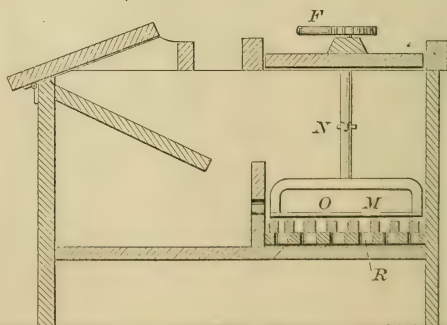
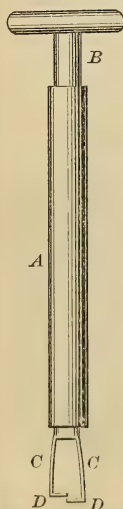
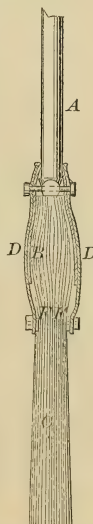
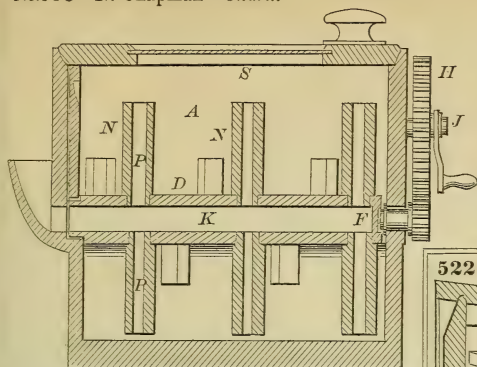


Fig. 4

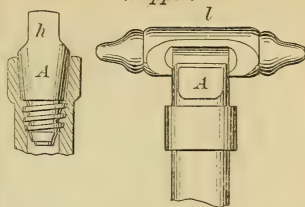
**52265**—C. G. Campbell—*Washing Machine.***52267**—M. C. Chamberlin—*Earth Borer.***52263**—H. Duck—*Broom Head.*



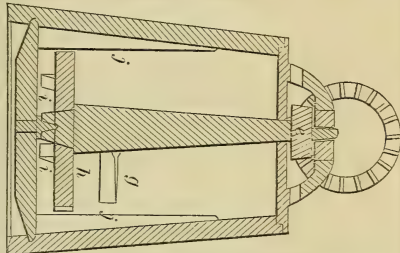
52268—N. Chapman—*Churn.*



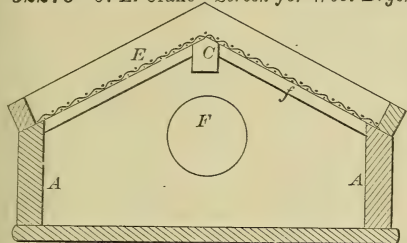
52269—R. S. Connelly—*Bottle Stopper.*



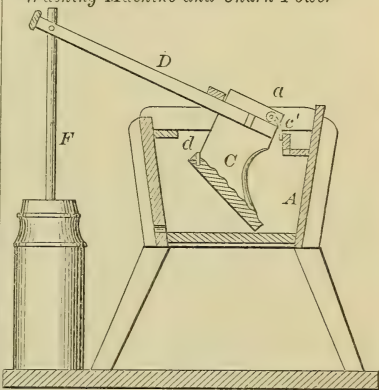
52272—J. Dodder—*Churn.*



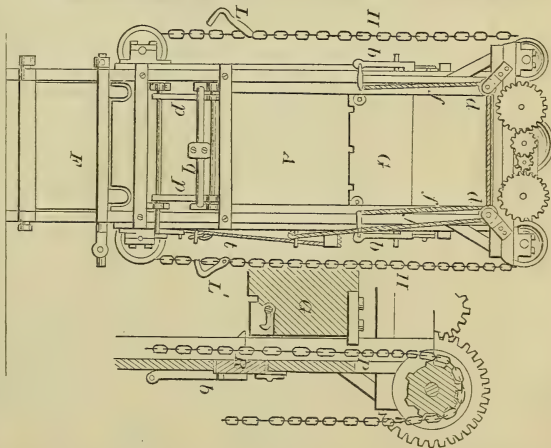
52270—J. E. Crane—*Screen for Wool Dryer.*



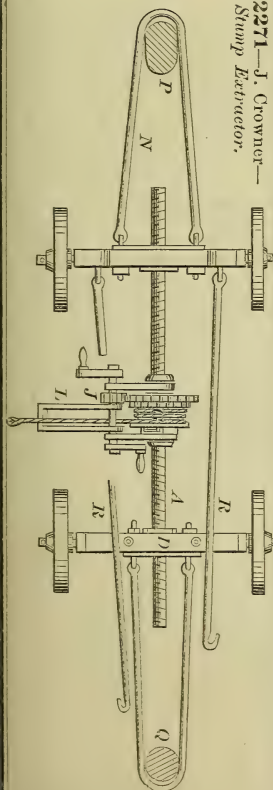
52273—W. M., E. P. & E. Doty—*Washing Machine and Churn Power*



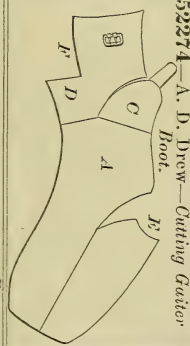
52275—S. R. Drummer—*Beater Press.*



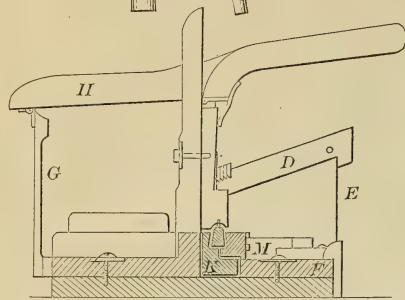
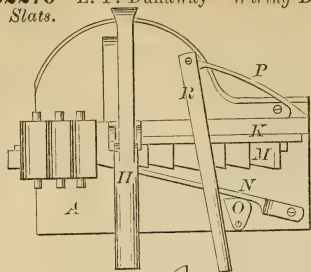
52271—J. Crowner—*Stump Extractor.*



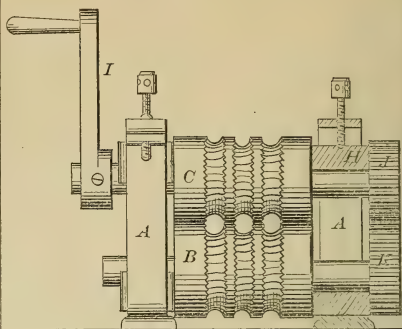
52274—A. D. Drew—*Cutting Gauge.*



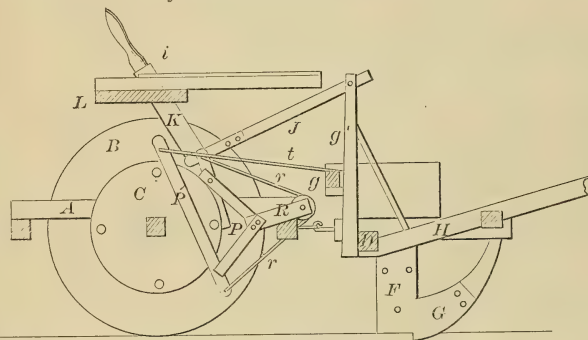
**52276**—E. F. Dunaway—*Wiring Blind Slats.*



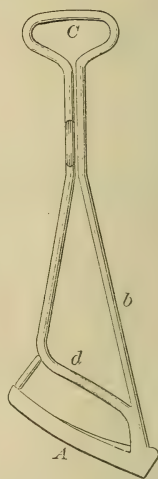
**52278**—A. Exton—*Biscuit Machine.*



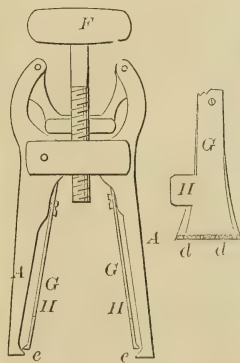
**52281**—M. C. Floyd—*Corn Planter.*



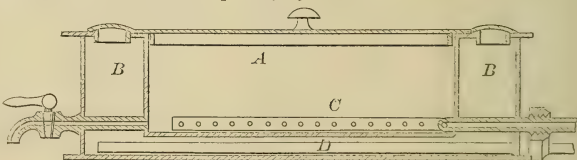
**52279**—J. Easing—*Hay and Pruning Knife.*



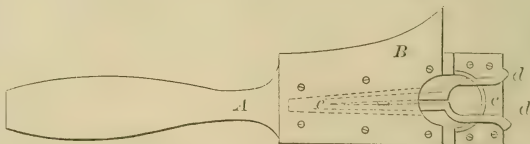
**52280**—W. N. Flagg—*Shank Laster.*



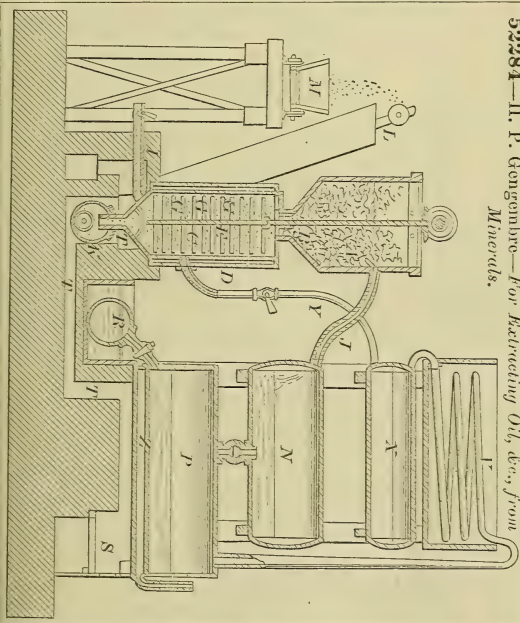
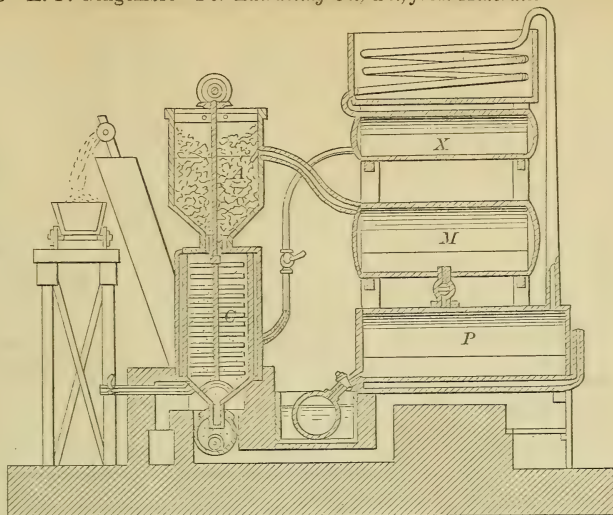
**52277**—S. B. Ellithorp—*Refrigerator.*



**52282**—N. Gabel—*Corn Stalk Cutter and Stripper.*

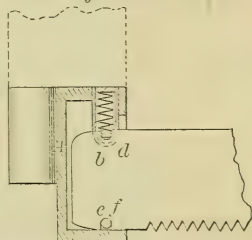


52283—H. P. Gengembre—For Extracting Oil, &c., from Minerals.

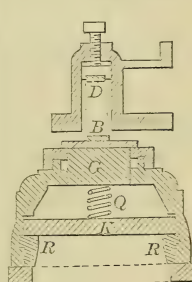


52284—H. P. Gengembre—For Extracting Oil, &c., from Minerals.

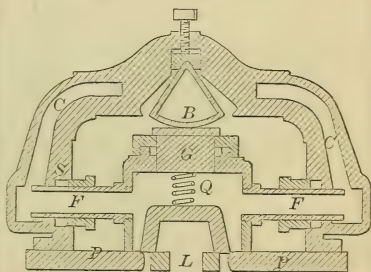
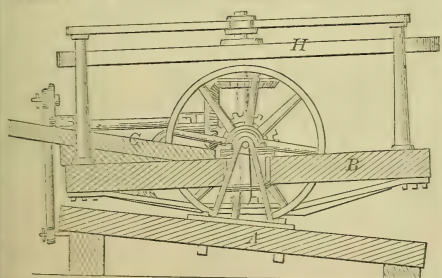
52285—W. H. Gilliam—Attaching Saws to Handles.



52286—V. D. Green—Balanced Slide Valve.

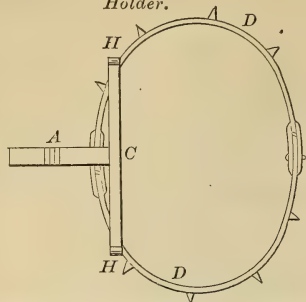


52287—J. H. Haven—Motive Power.

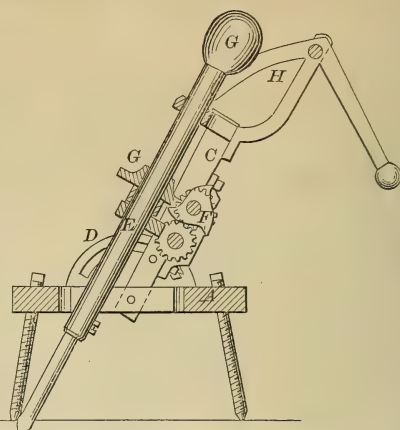




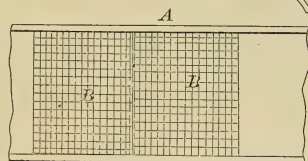
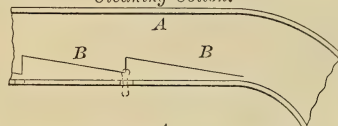
52288—Hills & Woodruff—*Bag Holder.*



52292—H. Jung—*Rock Drill.*



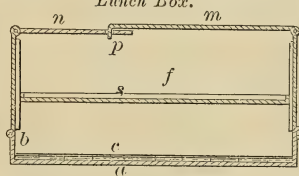
52289—J. E. Hooper—*Machine for Cleaning Cotton.*



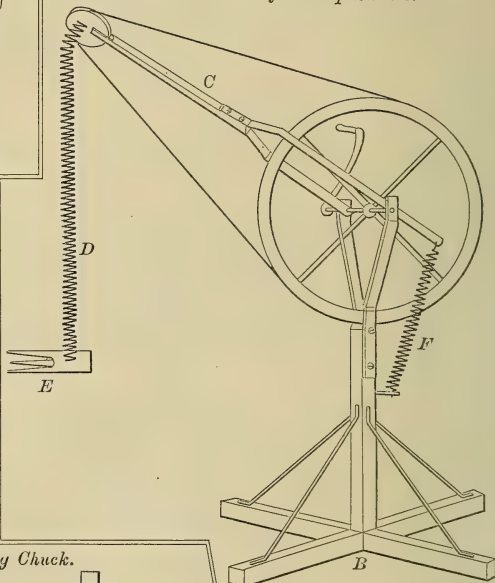
52290—E. I. Hoyt—*Artificial Teeth.*



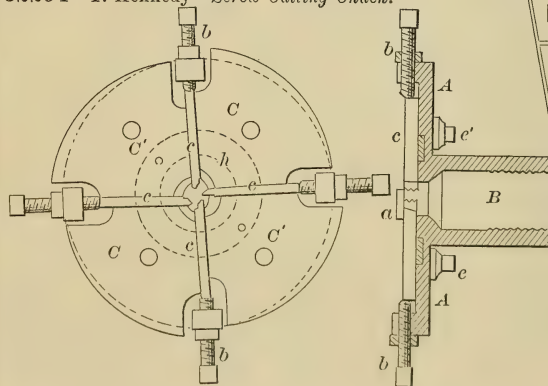
52291—C. S. Hurlbut—*Folding Lunch Box.*



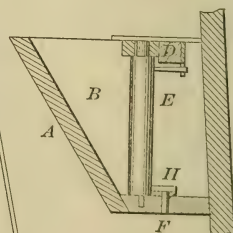
52293—A. H. Kennedy—*Sheep Shears.*



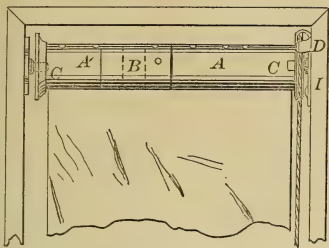
52294—T. Kennedy—*Screw Cutting Chuck.*



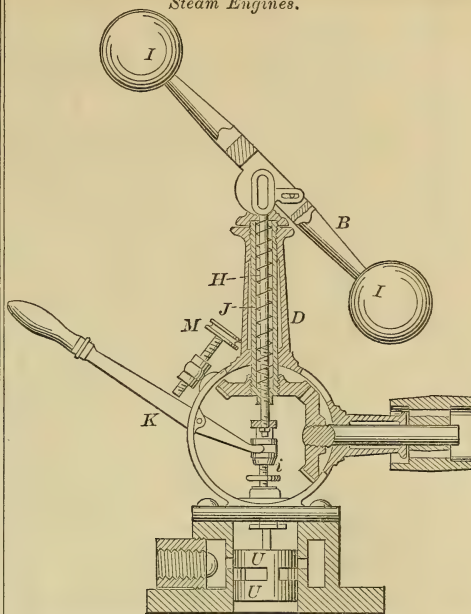
52295—W. S. & J. S. Lakin—*Fertilizer Sower.*



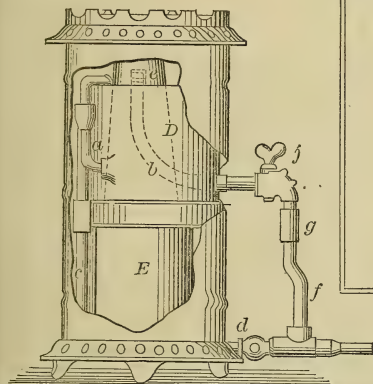
**52296**—Lamberson & Morton—*Curtain Fixture.*



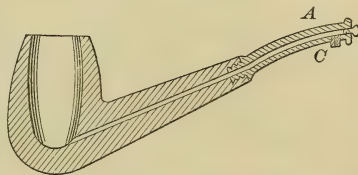
**52298**—A. P. & B. F. Lanterman—*Governor for Steam Engines.*



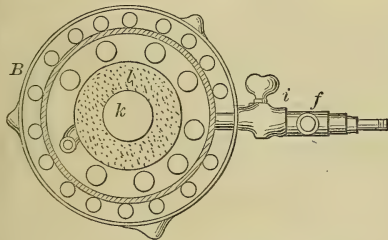
**52299**—Lesley & Craig—*Gas Stove.*



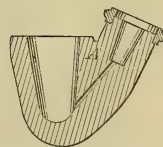
**52302**—R. Livingston—*Tobacco Pipe.*



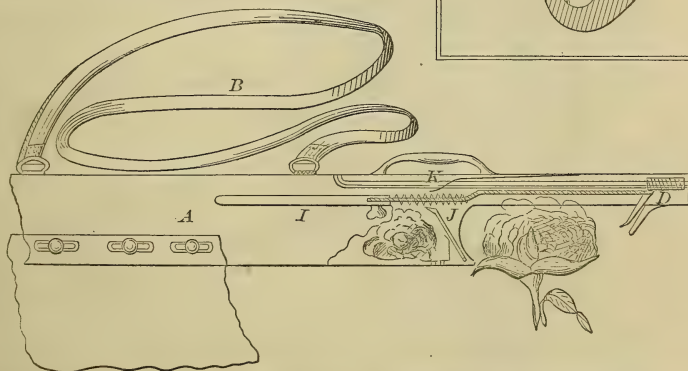
**52300**—Lesley & Craig—*Gas Stove.*

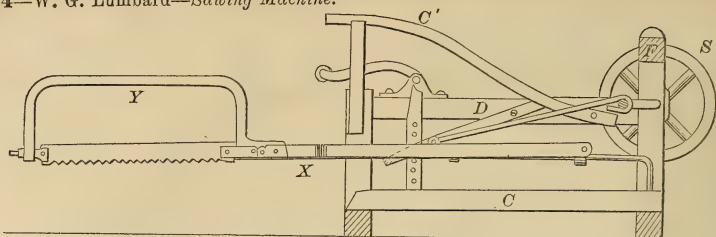


**52297**—Lautenschlager & Gott—*Tobacco Pipe.*

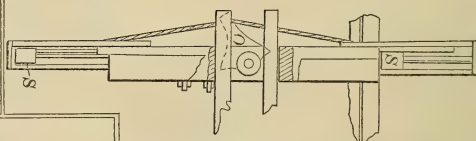
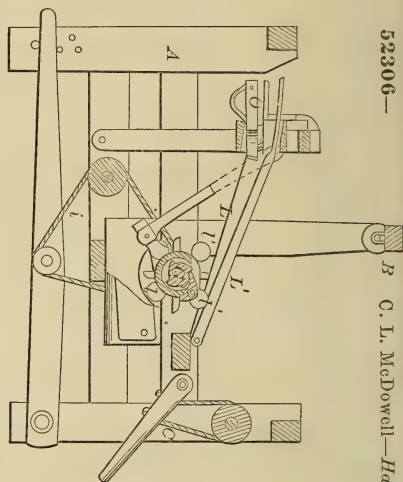
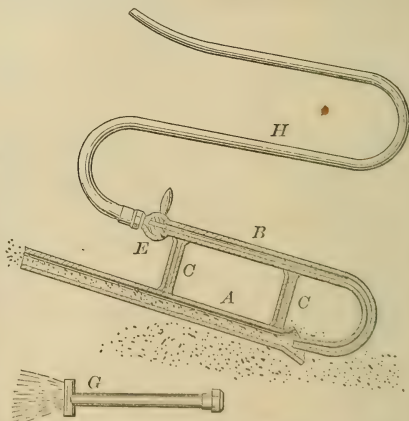
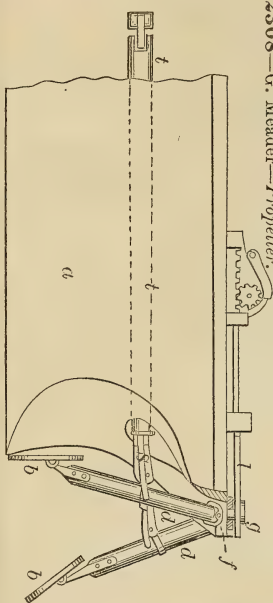
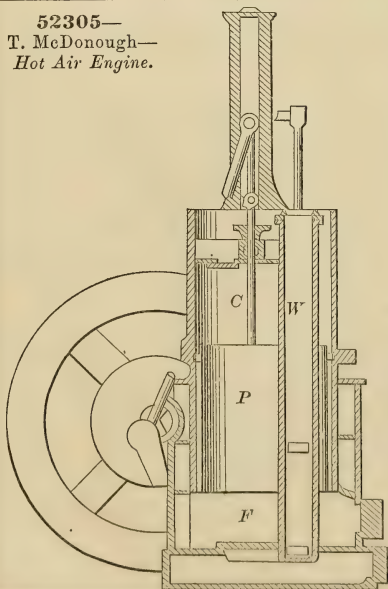


**52303**—W. D. Ludlow—*Cotton Picker.*



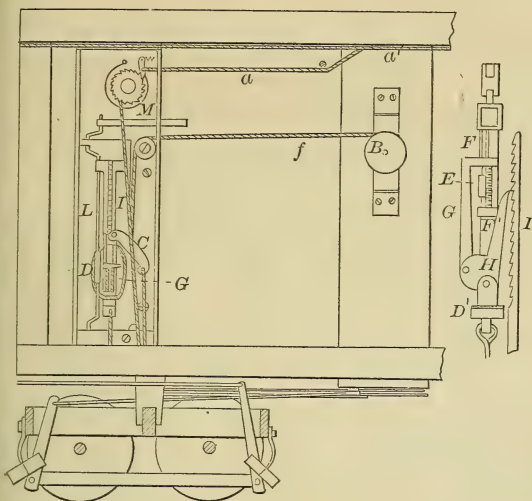
52304—W. G. Lumbard—*Saving Machine.*

52306—

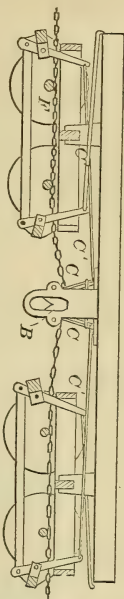
B. C. L. McDowell—*Hand Loom.*52307—M. Mead—*Shaft Coupling.*52309—W. Moses—*Grain Mover.*52308—G. Meader—*Propeller.*52305—  
T. McDonough—  
*Hot Air Engine.*



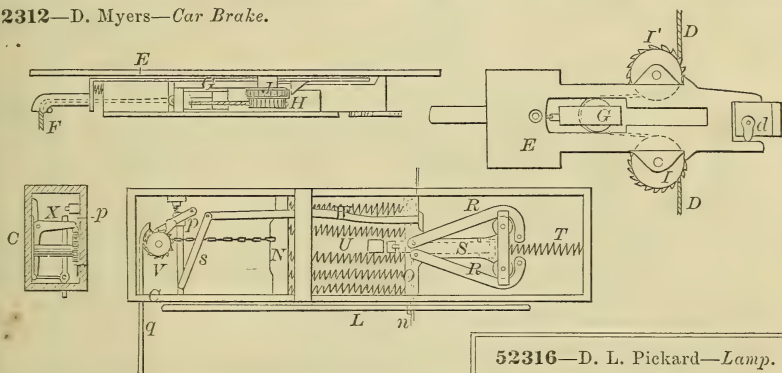
52310—D. Myers—Car Brake.



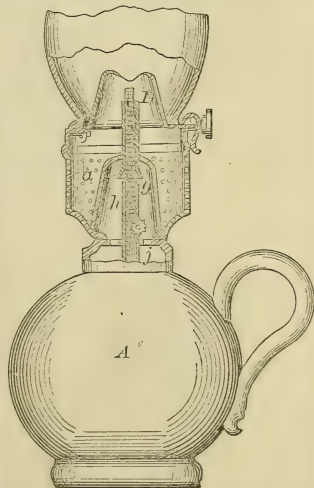
52311—D. Myers—Car Brake.



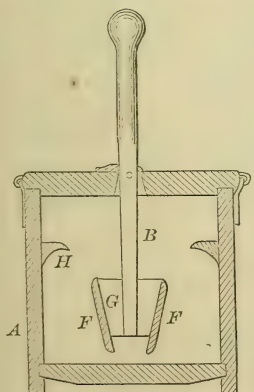
52312—D. Myers—Car Brake.



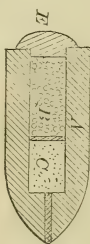
52316—D. L. Pickard—Lamp.



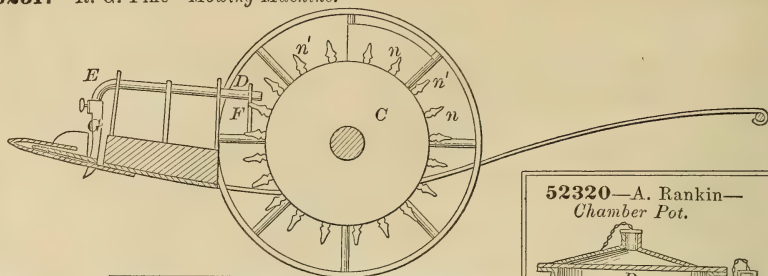
52313—M. Neal—Churn.



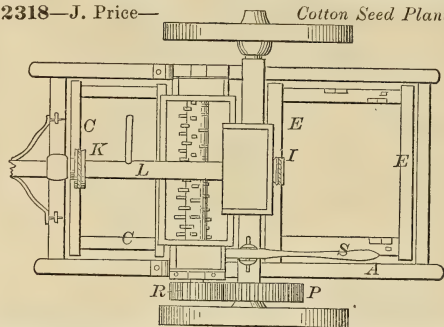
52314—L. P. Noyes—Explosive Shell.



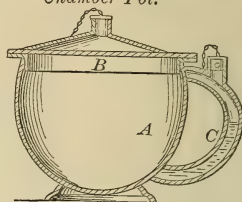
52317—R. G. Pike—Mowing Machine.



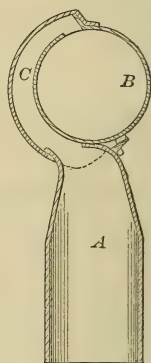
52318—J. Price—Cotton Seed Planter.



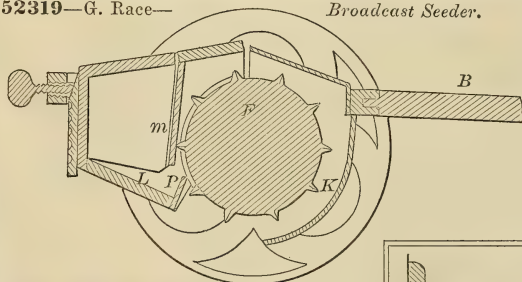
52320—A. Rankin—Chamber Pot.



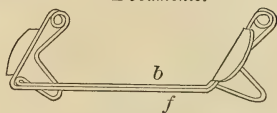
52322—H. Reynolds—Chimney Cap.



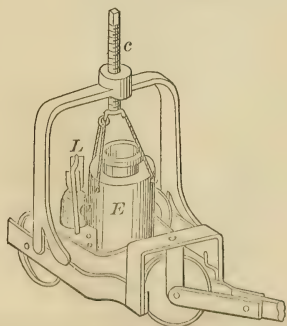
52319—G. Race—Broadcast Seeder.



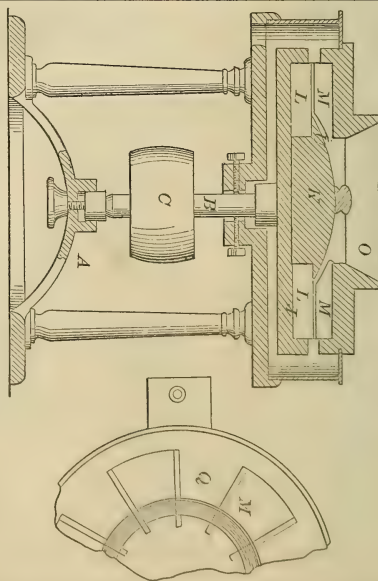
52323—I. S. Richardson—File Clasp for Documents.



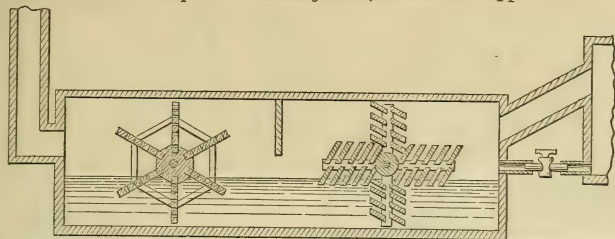
52324—J. Ryan—Hydraulic Jack.



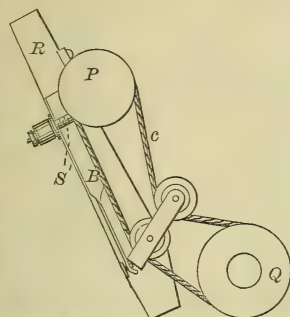
52321—J. B. Ruperts—Machine for Hulling Cotton Seeds.



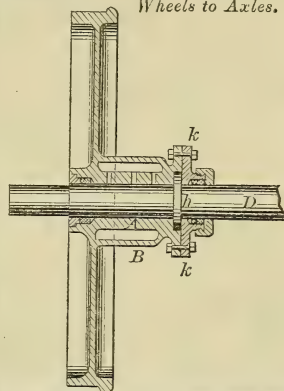
52325—G. A. Scherpf—For Parting Gold, Silver and Copper.



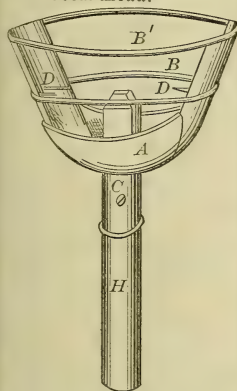
52327—J. F. Seiberling—Harvester.



52228—G. Sewell—Attaching Car Wheels to Axles.



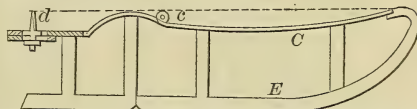
52330—J. E. Short—Broom Head.



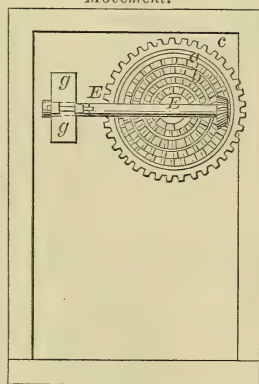
52226—S. R. Sereven—Artificial Teeth.



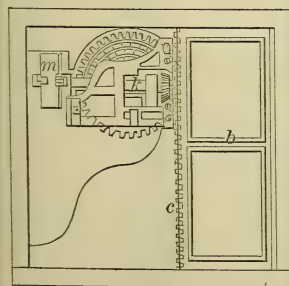
52331—H. N. M. Smith—Skate.



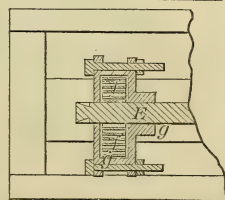
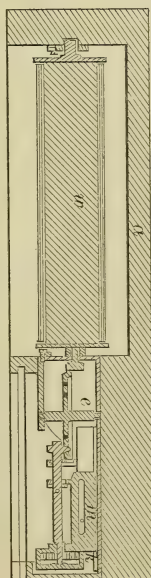
52334—H. Smith—Mechanical Movement.



52333—H. Smith—Window Sash.



52332—H. Smith—Window Blind.

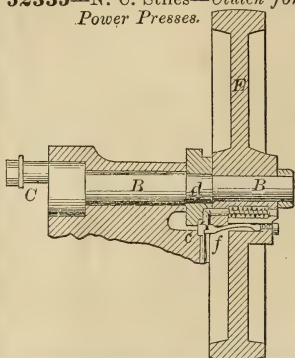


52329—A. S. Sherwood—Lightning Rod.





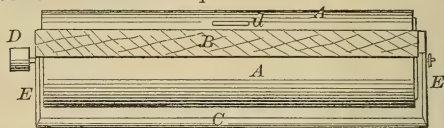
**52335**—N. C. Stiles—Clutch for Power Presses.



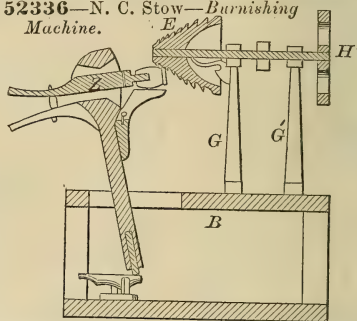
**52338**—Sweeney, Mathews & Hartley—Glass Mould.



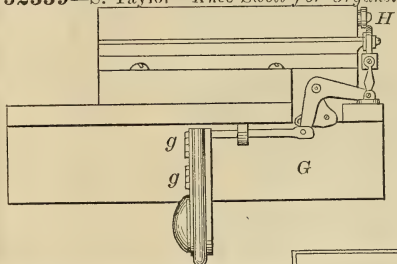
**52343**—E. J. Toof—Paper Holder.



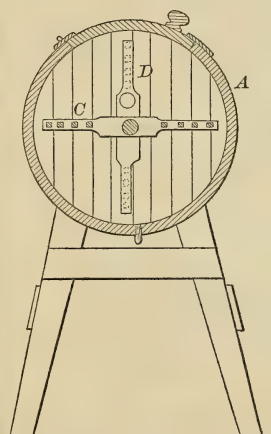
**52336**—N. C. Stow—Burnishing Machine.



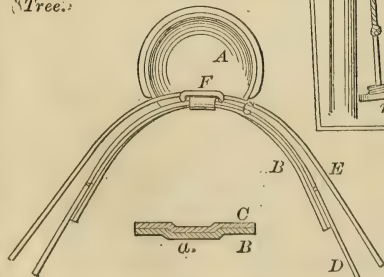
**52339**—S. Taylor—Knee Swell for Organs.



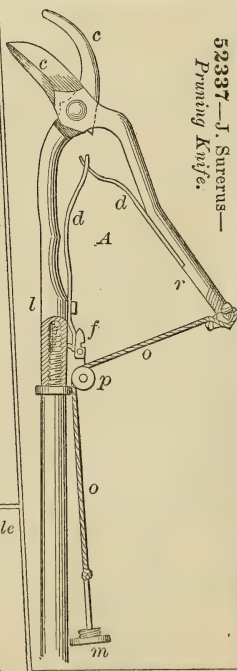
**52340**—T. J. Thorn—Churn.



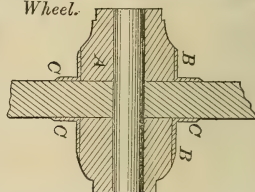
**52342**—S. E. Tompkins—Saddle Tree.



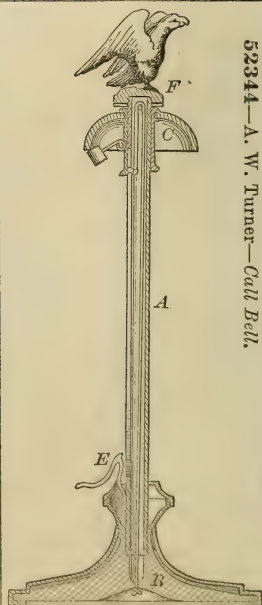
**52337**—J. Surcus—Pruning Knife.



**52341**—J. Thrasher—Wagon Wheel.

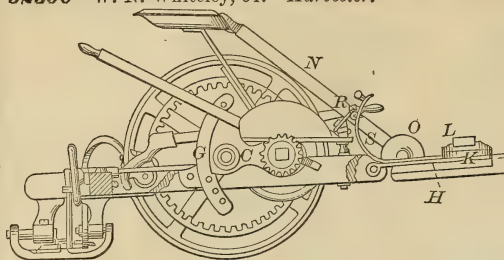


**52344**—A. W. Turner—Call Bell.

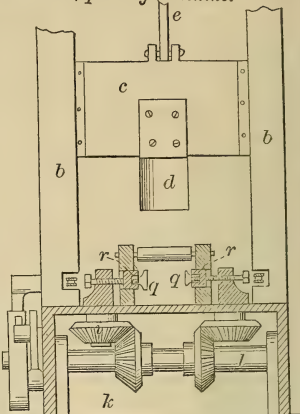




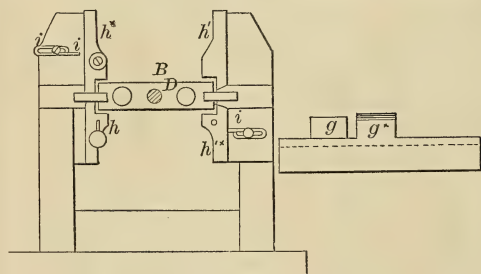
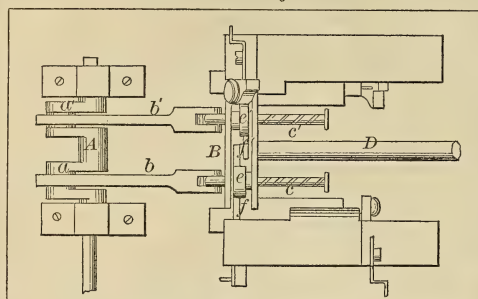
52350—W. N. Whiteley, Jr.—*Harvester.*



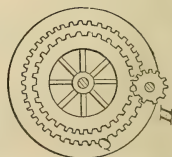
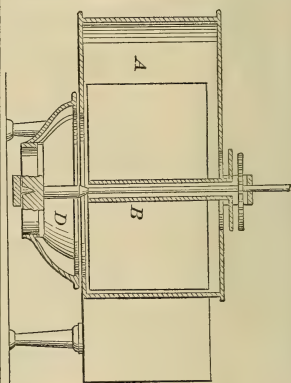
52352—W. L. Williams—Wood  
Splitting Machine.



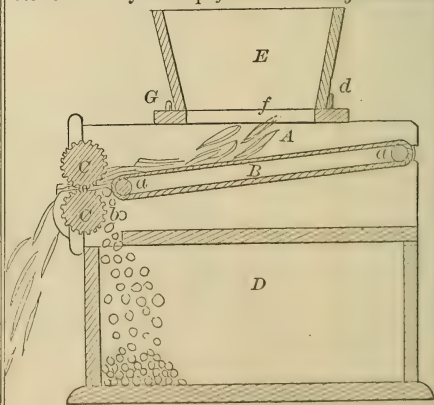
52354—F. Yeiser—*Transmitting Motion.*



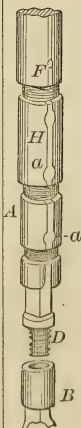
52353—L. D. Wynkoop—*Water Wheel.*



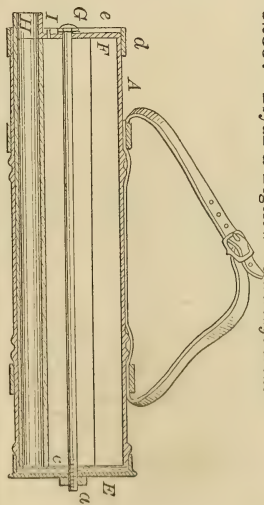
52356—Bray & Talpey—*Pea Shelling Machine.*



52355—R. N. Allen—*Piston Rods for Deep Wells.*

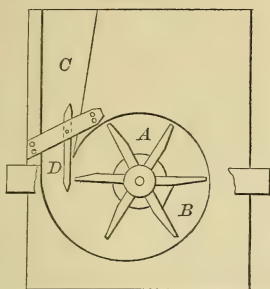


52357—Bryan & Bigelow—*Cambridge Box.*

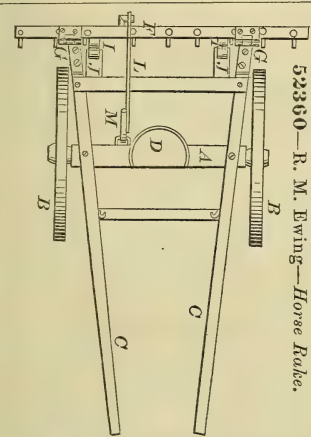
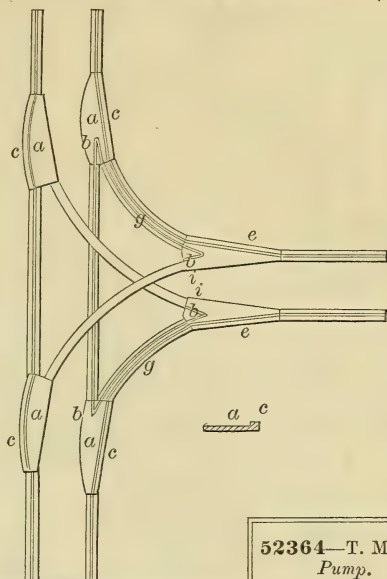




52358—W. R. Close—*Water Wheel.*

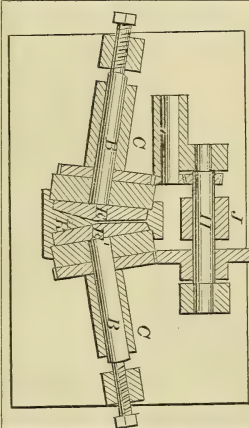
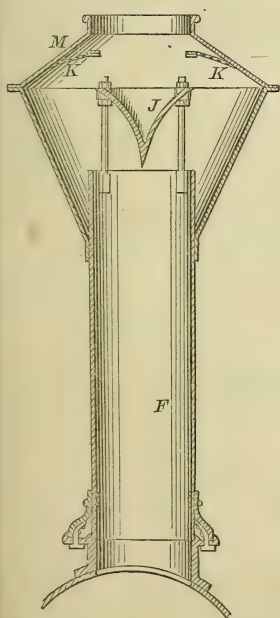


52361—R. Harper—*Railroad Turnout.*

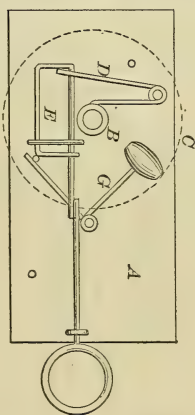


52360—R. M. Ewing—*Horse Rake.*

52362—C. F. Jauriet—*Spark Arrester.*

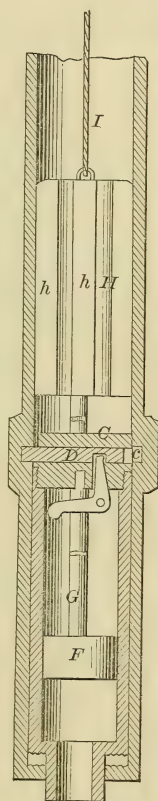


52363—H. Kellogg—*Quartz Mill.*

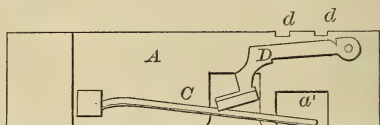
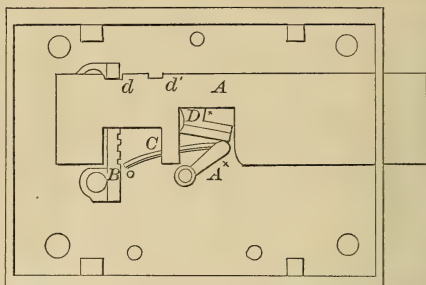


52365—W. H. Nichols—*Door Bell.*

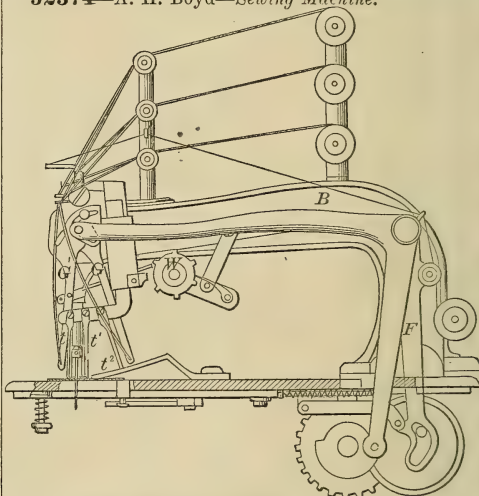
52364—T. Mayhew—*Pump.*



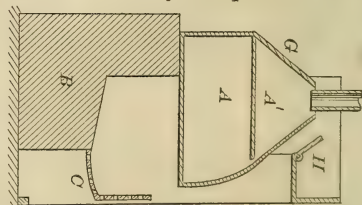
52372—H. Allman—Lock.



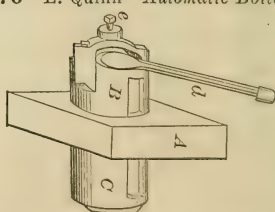
52374—A. H. Boyd—Sewing Machine.



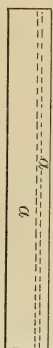
52375—G. Moody—Fireplace.



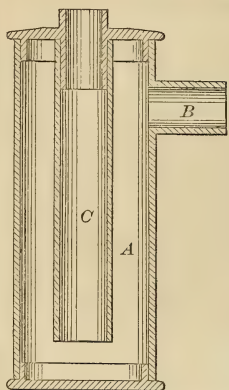
52376—E. Quinn—Automatic Boiler Feeder.



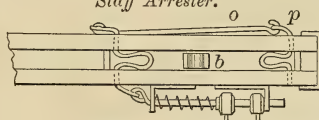
52371—G. K. Snow—Paper Collar Band.



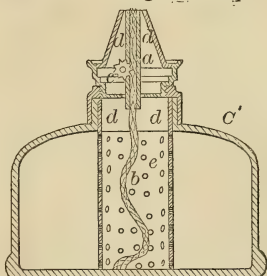
52366—Northrup &amp; Patterson—Stove Pipe Drum.



52367—E. &amp; H. C. Phillips—Picker Staff Arrestor.



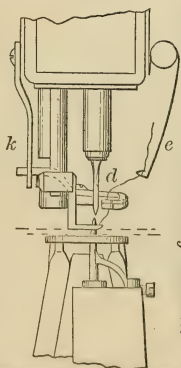
52369—E. F. Rogers—Lamp.



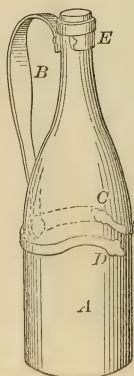
52370—J. W. Smith—Cartridge for Fire Arms.



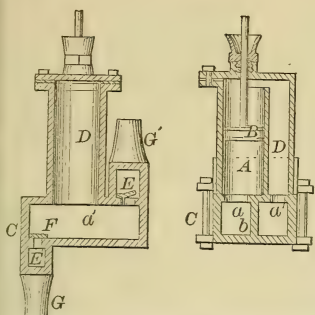
52368—T. K. Reed—Sewing Machine.



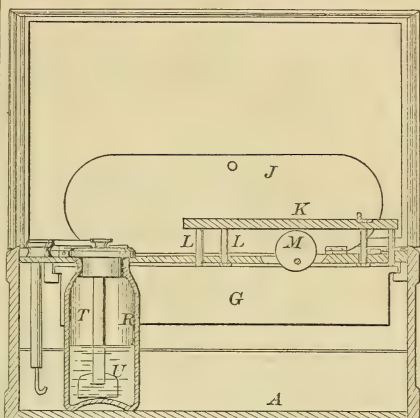
52373—G. Ireland—Bottle Handle.



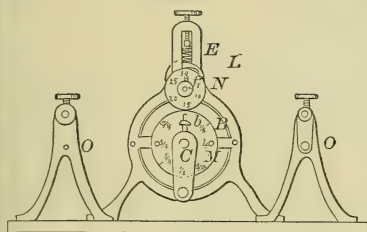
52377—W. A. Barnes—*Pump.*



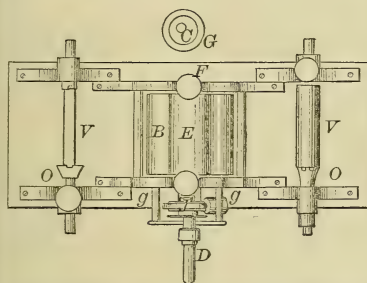
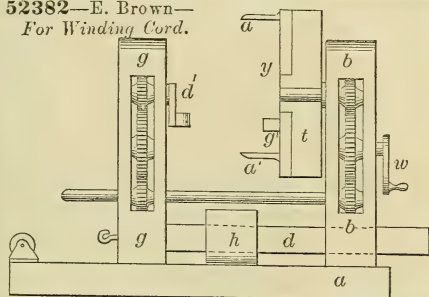
52381—D. B. Boynton—*Boot Blacking Ottoman.*



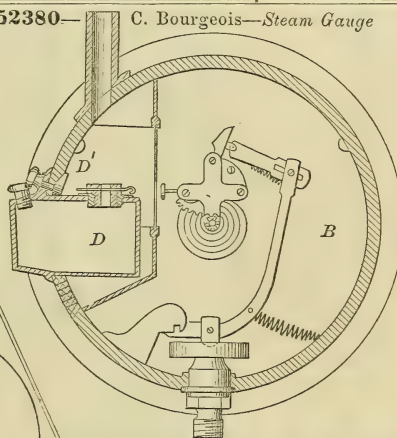
52378—J. I. Benham—*Cloth Measuring Machine.*



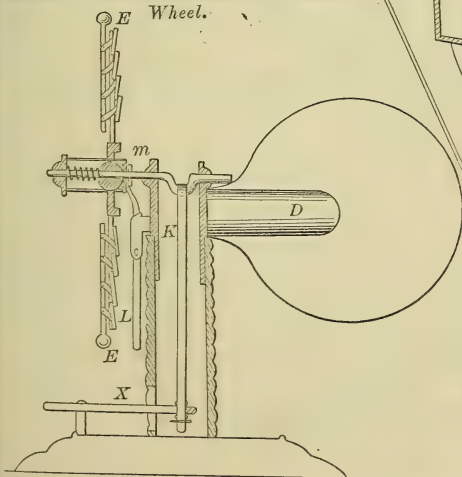
52382—E. Brown—*For Winding Cord.*



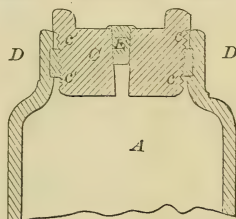
52380—C. Bourgeois—*Steam Gauge*



52383—Burnett & Vandevort—*Wind Wheel.*

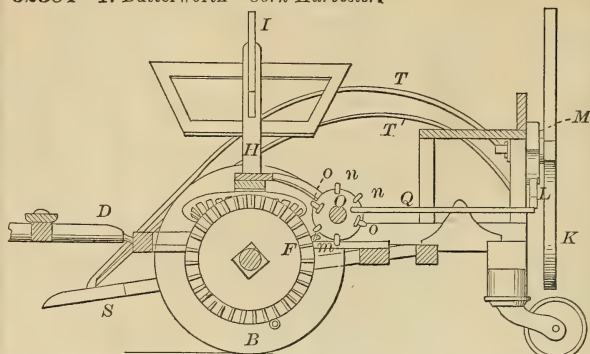


52379—E. Bennett—*Fruit Jar.*

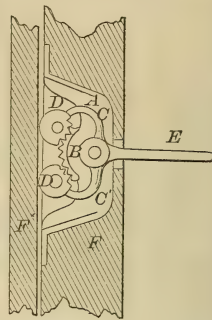




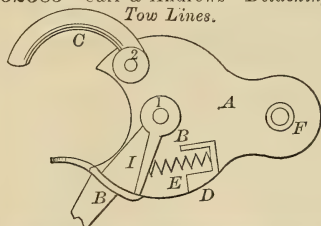
52384—T. Butterworth—Corn Harvester.



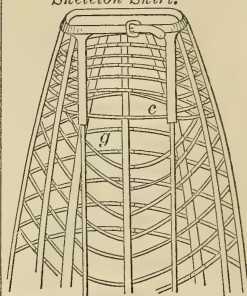
52388—C. B. Clark—Sash Fastening.



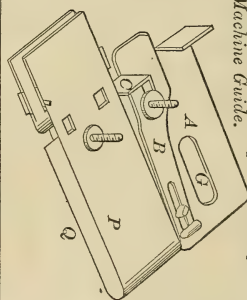
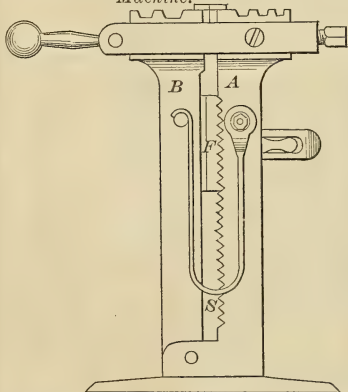
52385—Carr &amp; Andrews—Detaching Tow Lines.



52390—A. J. Colby—Skeleton Skirt.

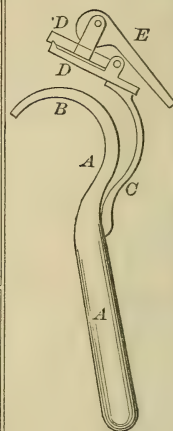
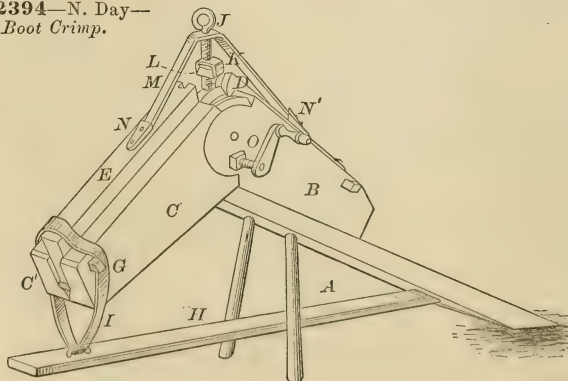


52393—L. L. Davis—Bolt Heading Machine.

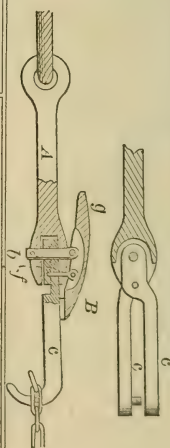


52387—W. J. Chaplin—Sewing Machine Guide.

52394—N. Day—Boot Crimp.

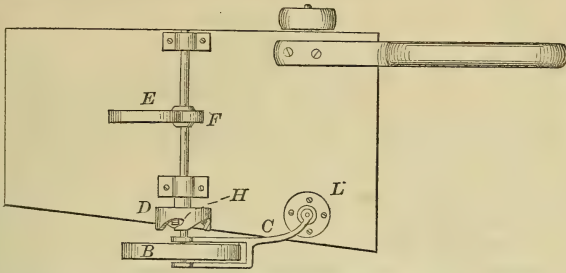


52389—Clark &amp; Syster—Shank Luster.

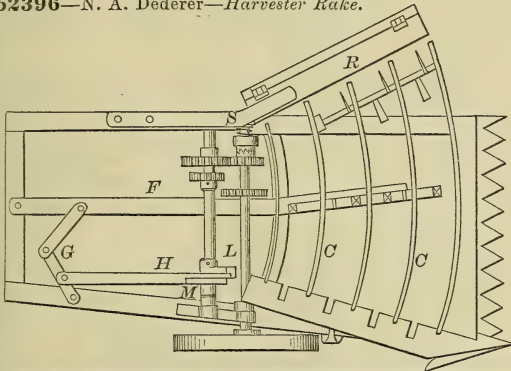


52392—E. Davidson—Cattle Stopper.

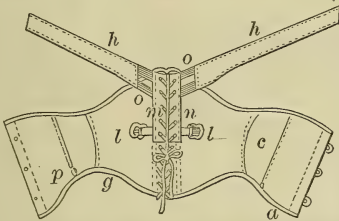
52395—N. A. Dederer—*Harvesting Machine.*



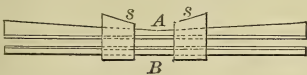
52396—N. A. Dederer—*Harvester Rake.*



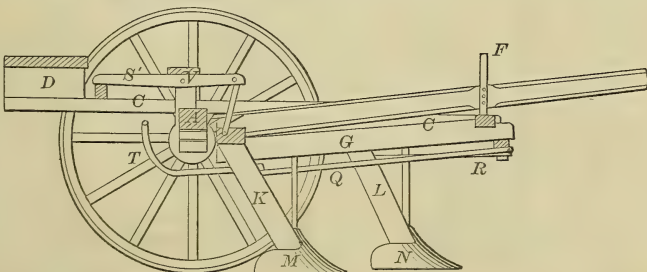
52400—F. Durand—*Shoulder Brace.*



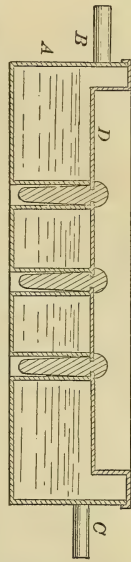
52403—A. Faber—*Paper Clamp.*



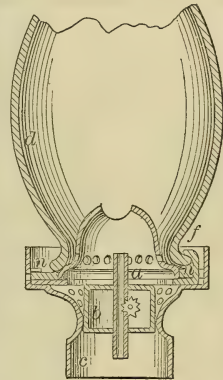
52401—A. P. Durant—*Gang Plow.*



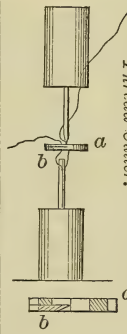
52402—J. H. Elward—*Evaporator.*

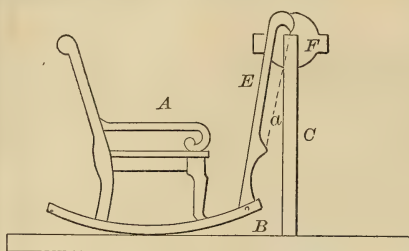
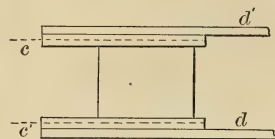
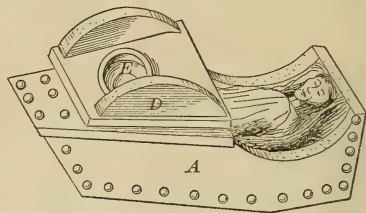
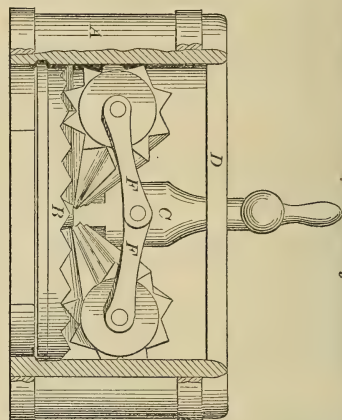
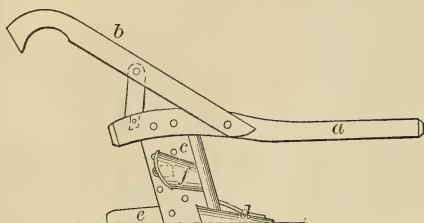
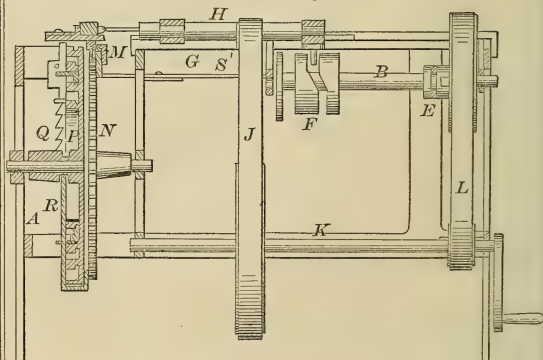
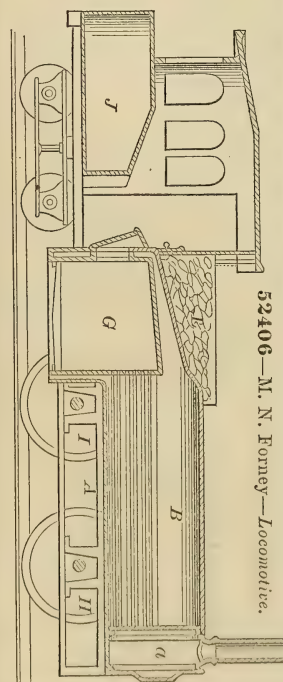
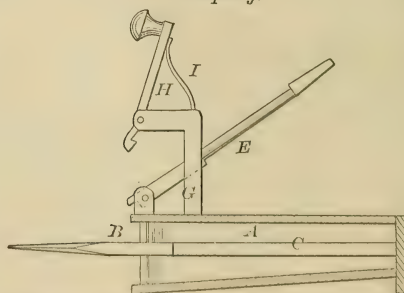


52399—R. H. Dewey—*Chimney Holder and Fastening.*



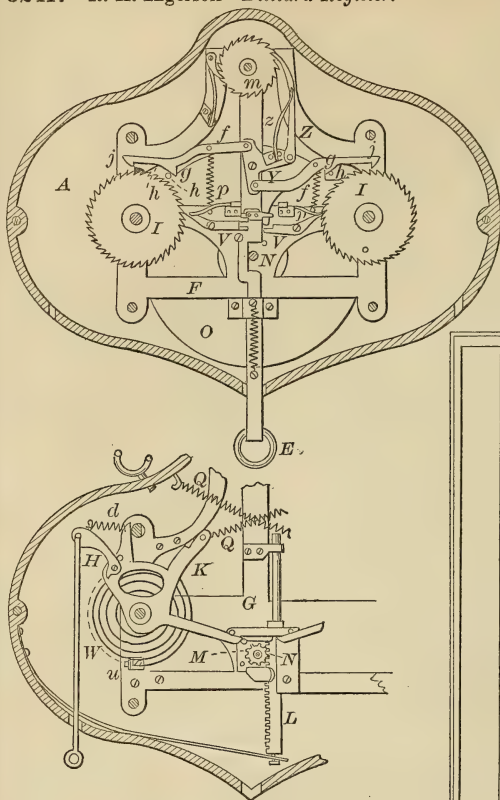
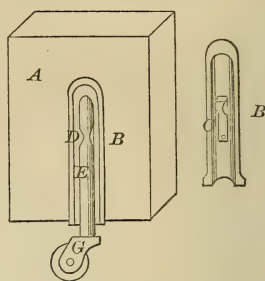
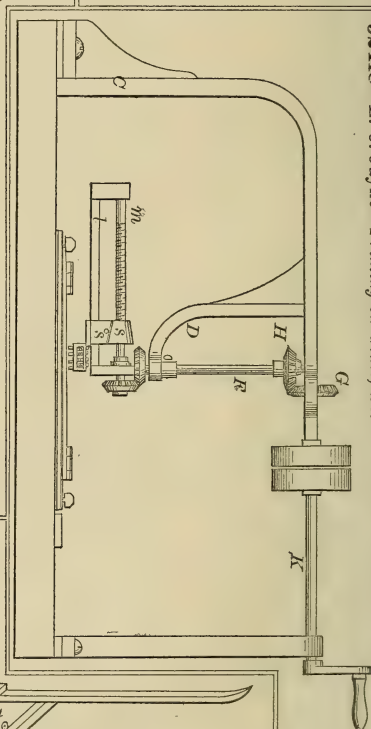
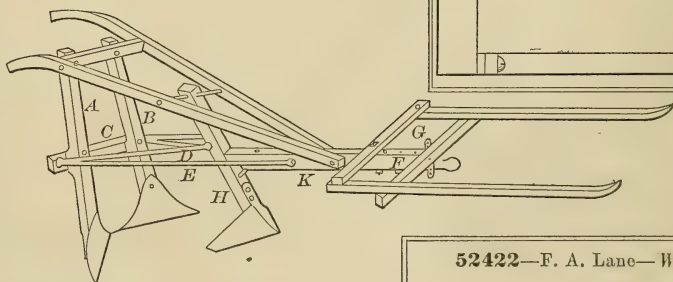
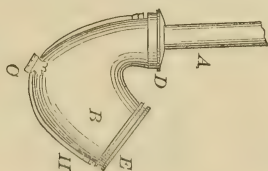
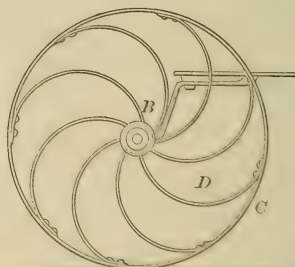
52398—Dennis & Baker—*Sewing Machine Thread Cutter.*



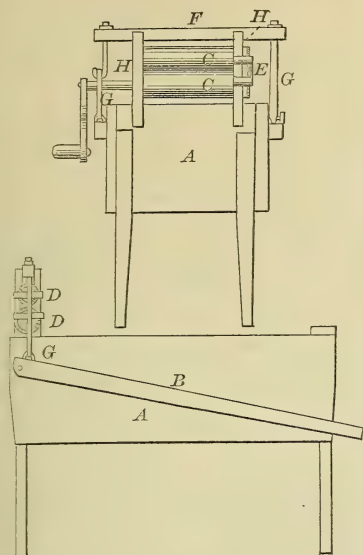
52404—G. Fleig—*Chair and Fan.*52405—J. A. Fogg—*Coffin.*52407—J. Fowler—*Plow.*52408—T. D. Gail—*Washing Machine.*52409—J. H. Gibbs—*For Boring Blinds.*52410—J. Harris—*Car Coupling.*52406—M. N. Forney—*Locomotive.*



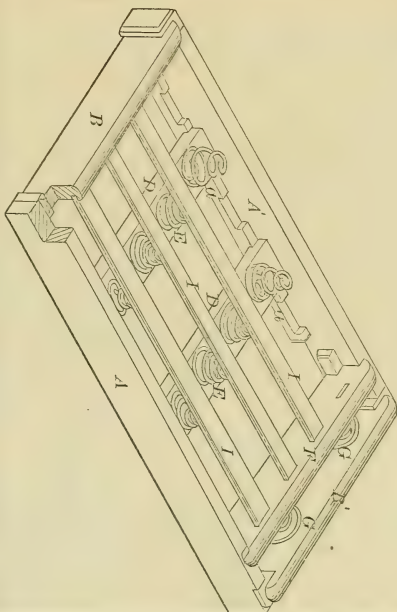


52417—R. H. Ingersoll—*Billiard Register.*52420—Kane & Brown—*Caster for Furniture.*52418—E. C. Jayne—*Printing on Glass, &c.*52421—A. Lamb—*Cultivator.*52419—P. Jeanne—*Tobacco Pipe.*52422—F. A. Lane—*Wheel and Axle.*

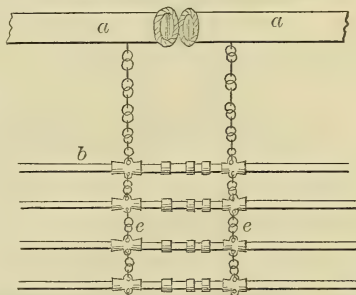
52423—J. Lee—Clothes Wringer.



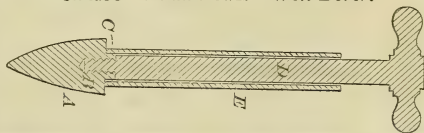
52426—T. Linfoot—Spring Bed Bottom.



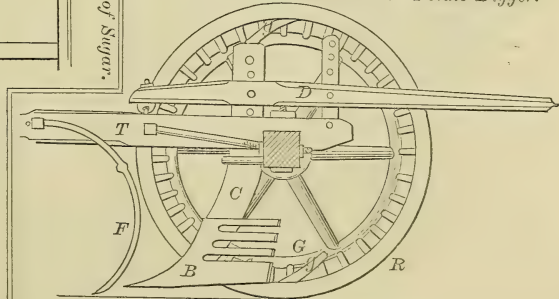
52427—L. Lobenstein—Hoop Skirt.



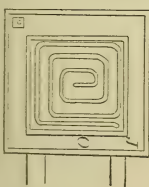
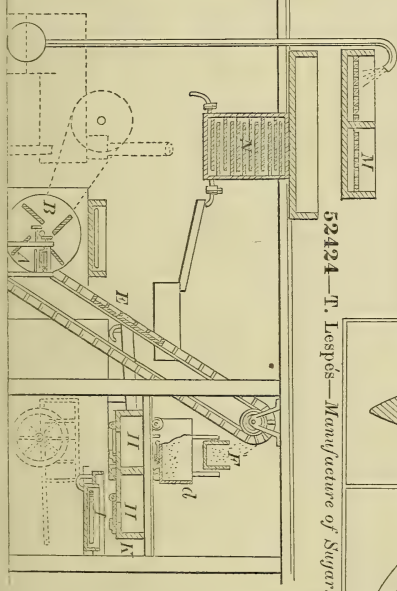
52425—R. R. Lewis—Well Borer.



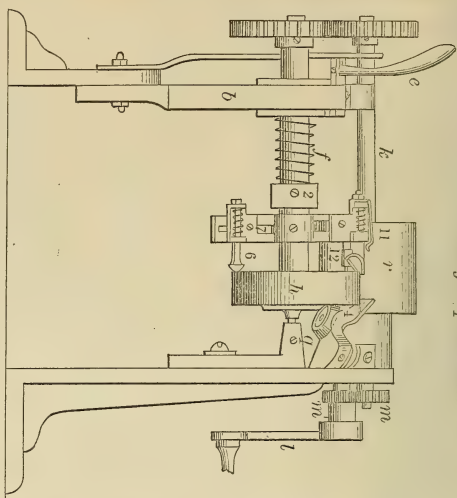
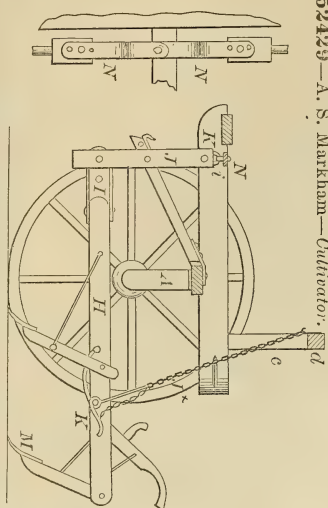
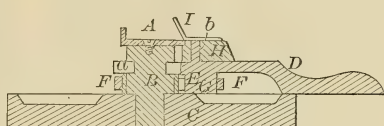
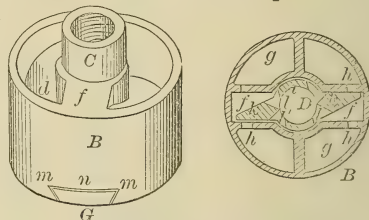
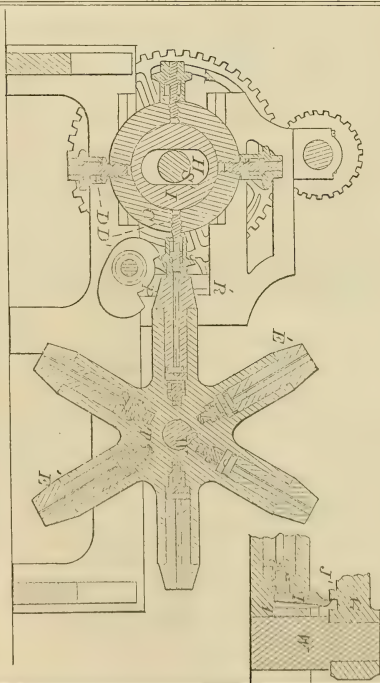
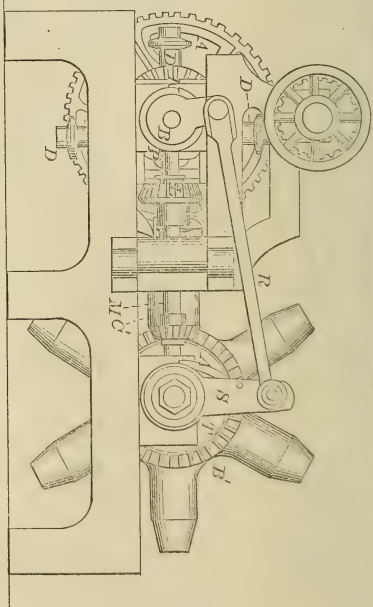
52428—A. Marcellus—Potato Digger.



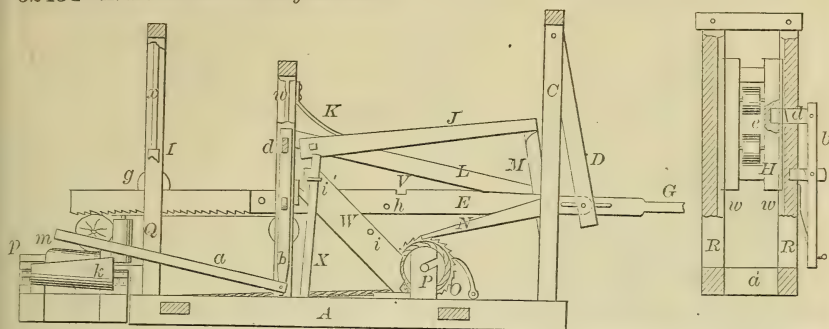
52424—T. Lespes—Manufacture of Sugar.



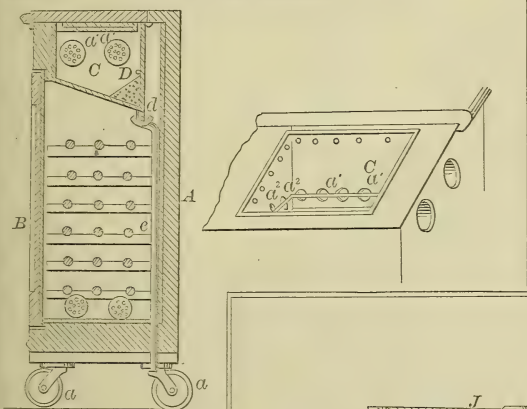


52432—C. A. Maxfield—*Making Taper Boxes.*52429—A. S. Markham—*Cultivator.*52430—O. H. & J. A. Marston—*Heel Cutter.*52431—Mason & Gill—*Pump.*52433—J. W. McDermott—*Bolt Heading Machine.*

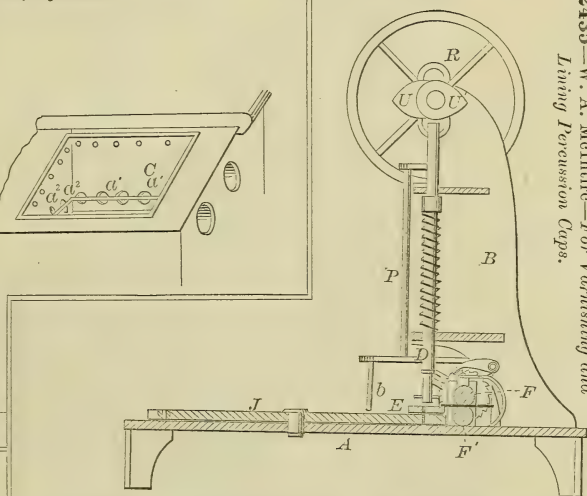
52434—A. McFarland—Sawing Machine.



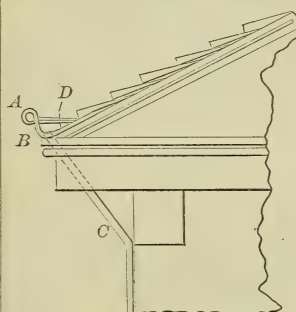
52436—J. McKelvey—Refrigerator.



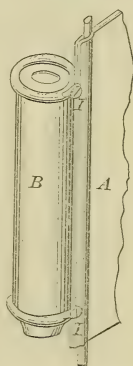
52435—W. A. McIntire—For Varnishing and Lining Percussion Caps.



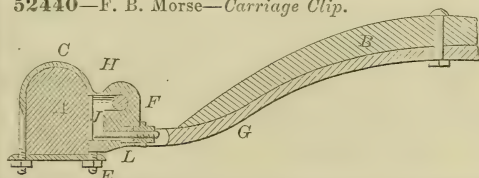
52438—T. C. Moore—Eaves Trough.



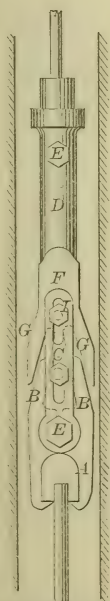
52439—C. B. Morehouse—Whip Socket.



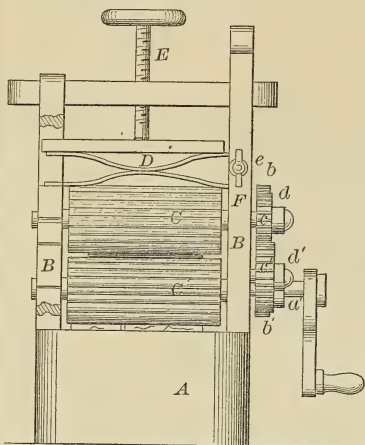
52440—F. B. Morse—Carriage Clip.



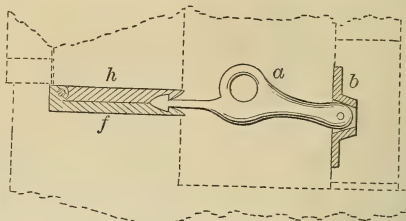
52437—D. F. Melton—Grab for Oil Wells.



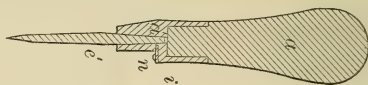
**52441**—W. H. Nichols—*Washing Machine and Wringer.*



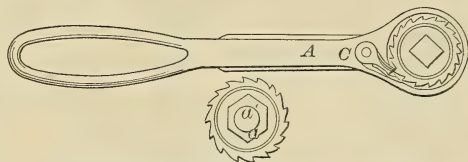
**52442**—C. A. Palmer—*Blind Fastening.*



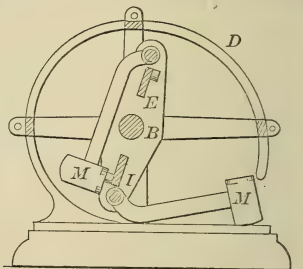
**52443**—H. L. Parker—*Brad Awl Handle.*



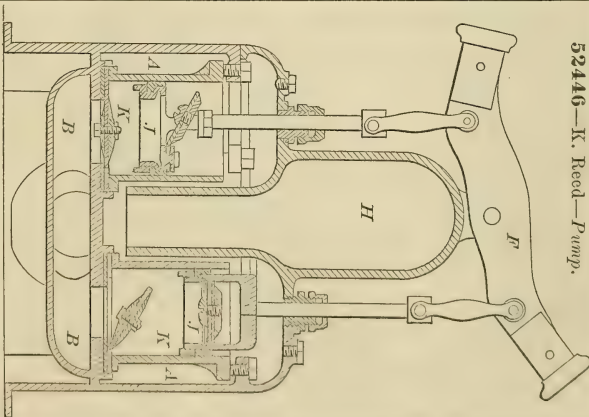
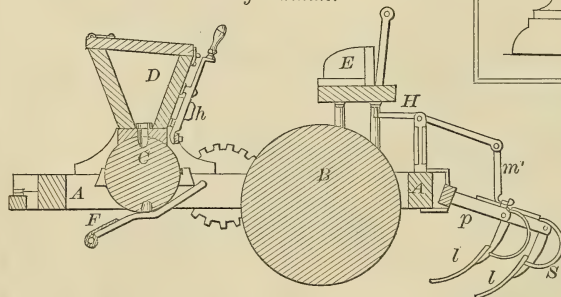
**52444**—W. Pirsson—*Ratchet Wrench.*



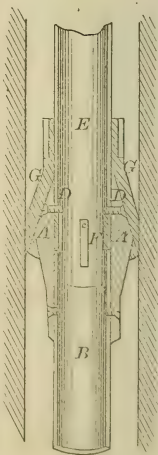
**52447**—A. Rix—*Forging Apparatus.*



**52445**—J. B. Pitts—*Seeding Machine.*



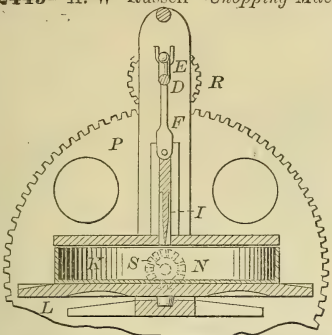
**52446**—K. Reed—*Pump.*



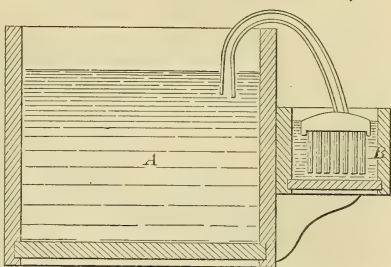
**52448**—Robinson & Strong—*Pumping for Deep Wells.*



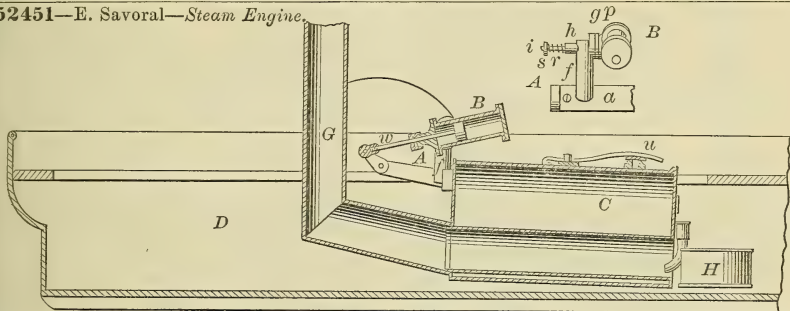
52449—H. W. Russell—Chopping Machine.



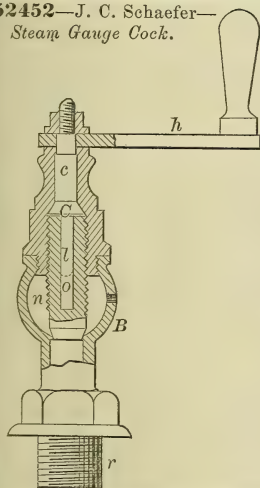
52450—J. Russell—For Hardening Files.



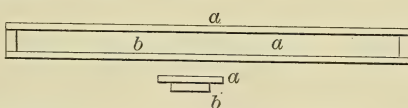
52451—E. Savoral—Steam Engine.



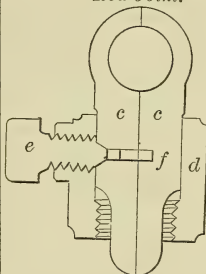
52452—J. C. Schaefer—Steam Gauge Cock.



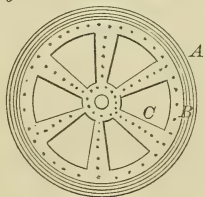
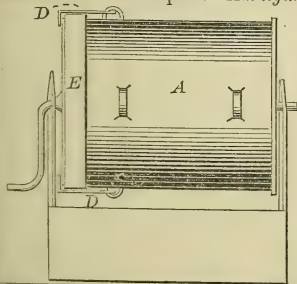
52453—G. W. Schramm—Ruler.



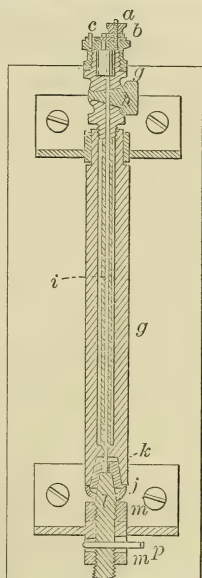
52455—T. Shaw—Connecting Rod Joint.



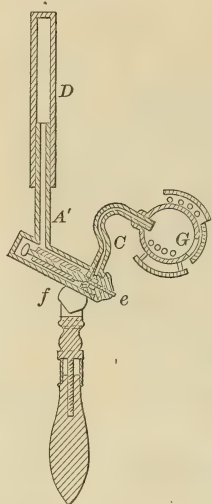
52456—G. B. Simpson—Amalgamating Gold and Silver.



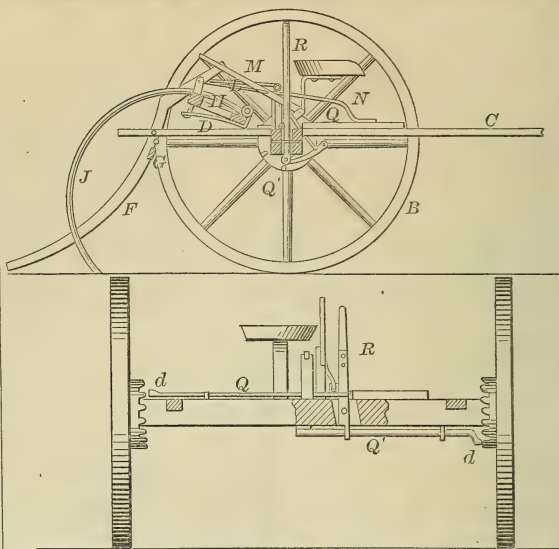
52454—J. F. Schuffenecker—Lubricating Vertical Shafts.



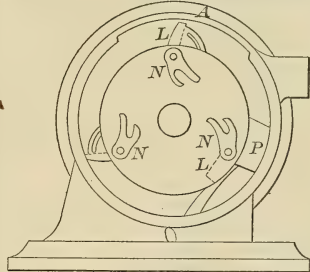
**52457**—Snow & Lewis—*Gas Jet Cigar Lighter.*



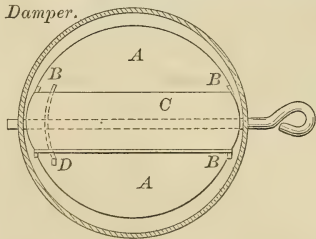
**52458**—F. Stewart—*Horse Rake.*



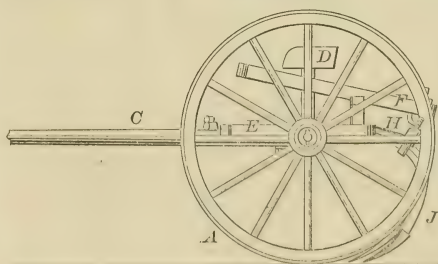
**52459**—H. B. Stiles—*Water Motor.*



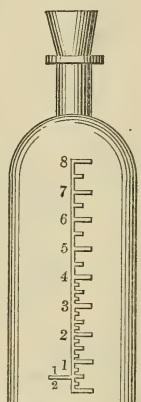
**52460**—W. W. St. John—*Stove Pipe Damper.*



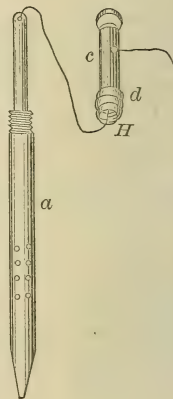
**52462**—J. S. Stukey—*Corn Cultivator.*



**52461**—G. W. Stoeckel—*Graduated Bottle.*



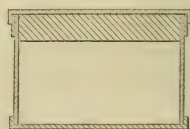
**52463**—J. Suggett—*Mode of Sinking Wells.*



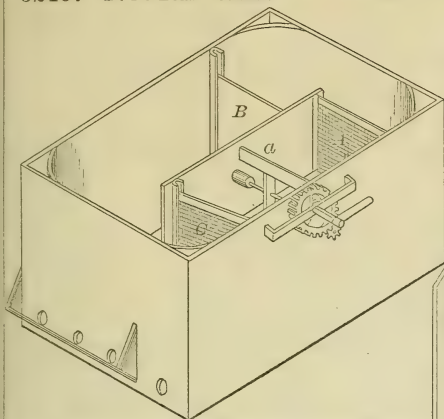
**52465**—T. C. Taylor—*Putting up Caustic Alkali.*



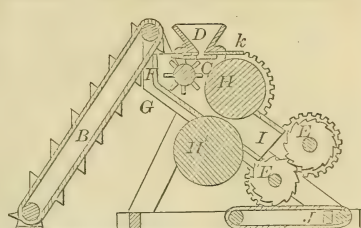
**52466**—T. C. Taylor—*Putting up Caustic Potassa.*



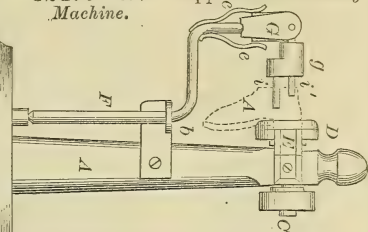
52467—D. E. Teal—Churn.



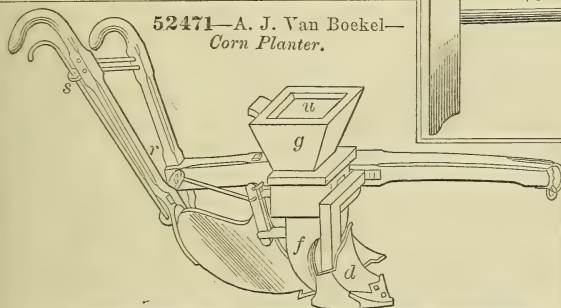
52472—T. J. Wells—Peat Machine.



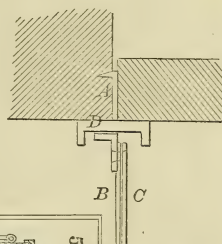
52470—S. D. Tripp—Heel Polishing Machine.



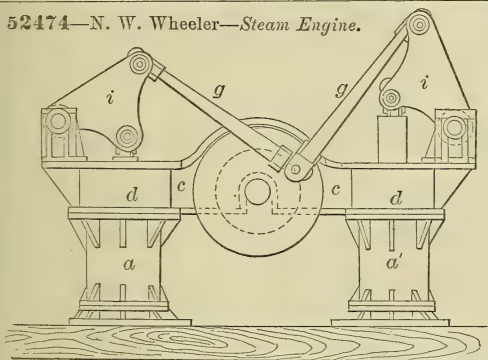
52471—A. J. Van Boeckel—Corn Planter.



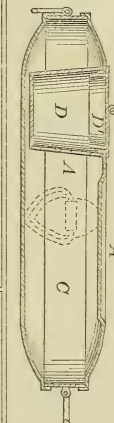
52469—G. E. Thompson—Door Fastener.



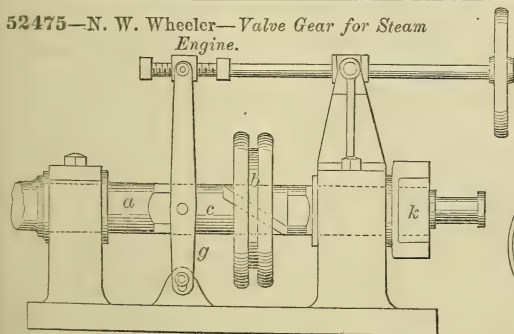
52474—N. W. Wheeler—Steam Engine.



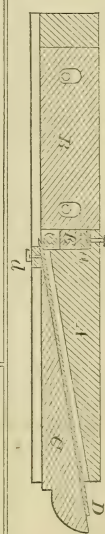
52468—K. Thoman—Conical and Lunch Box.



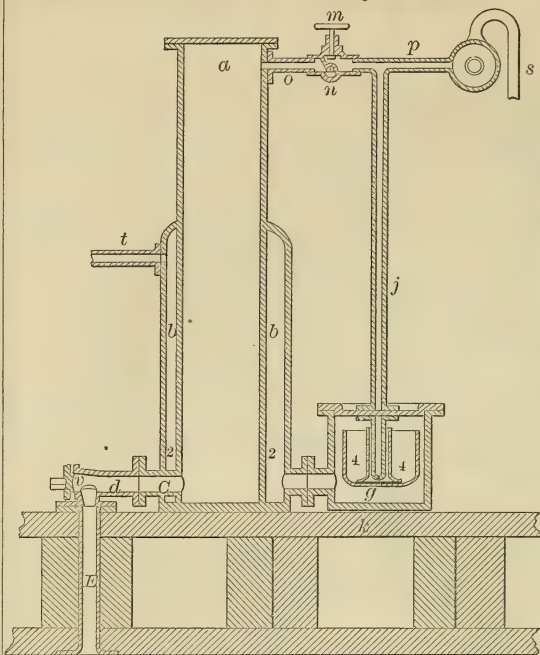
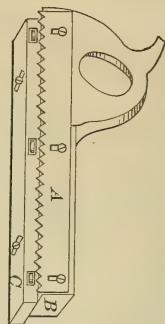
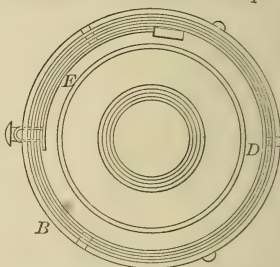
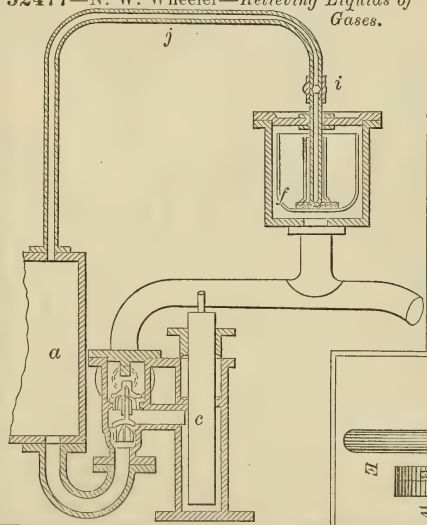
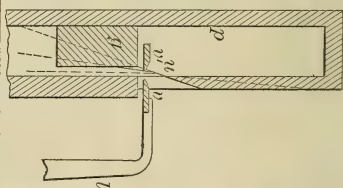
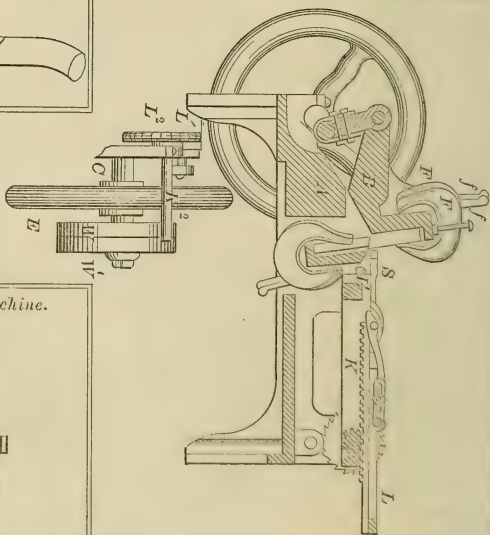
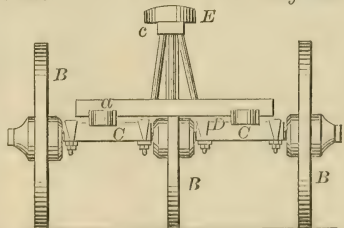
52475—N. W. Wheeler—Valve Gear for Steam Engine.



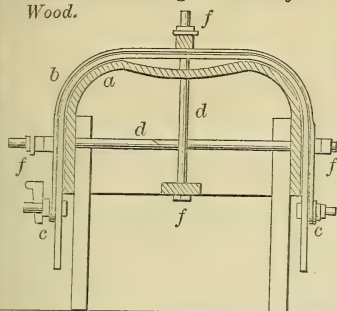
52473—J. A. Welsh—Blind Spline Machine.



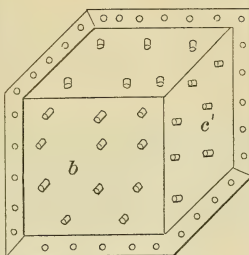


52476—N. W. Wheeler—*For Distilling Salt Water.*52478—D. D. Whitaker—*Saw Rebate Plane.*52480—C. Wilhelm—*Lamp.*52477—N. W. Wheeler—*Relieving Liquids of Gases.*52481—E. Wilson—*Sounding Telegraph.*52479—W. Wickersham—*Nail Machine.*52482—J. I. Wilson—*Furrowing Machine.*

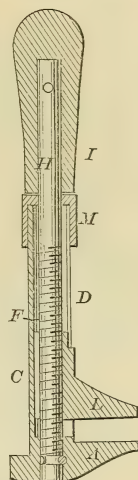
52483—W. C. Wright—*Bending Wood.*



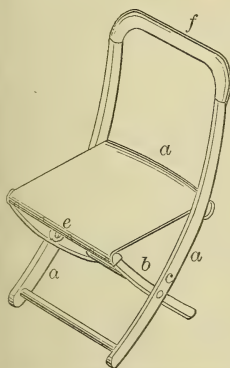
52484—L. Yale, Jr.—*Safe.*



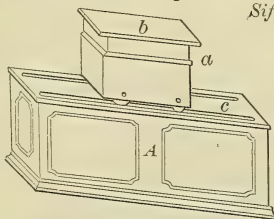
52487—J. C. Conner—*Wrench.*



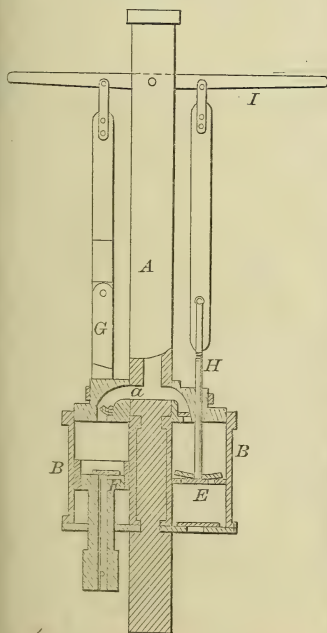
52488—I. N. Dann—*Folding Chair.*



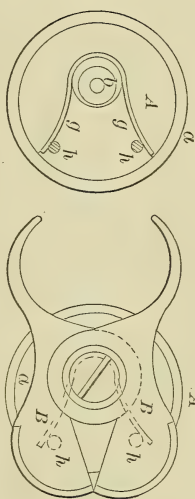
52486—J. W. Campbell—*Coal Ash Sifter.*



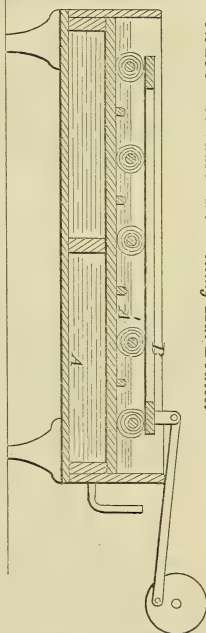
52485—L. Beemer—*Pump.*



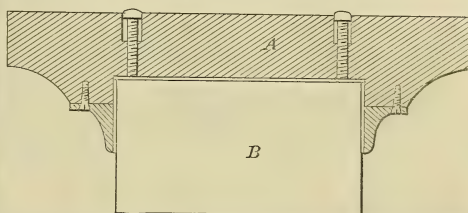
52492—J. Hollingsworth—*Sash Lock.*



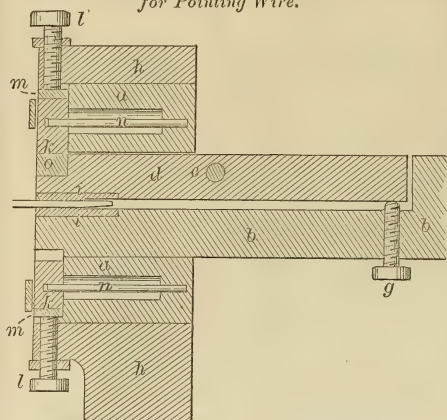
52489—C. Faure—*For Feling Hat Bodies.*



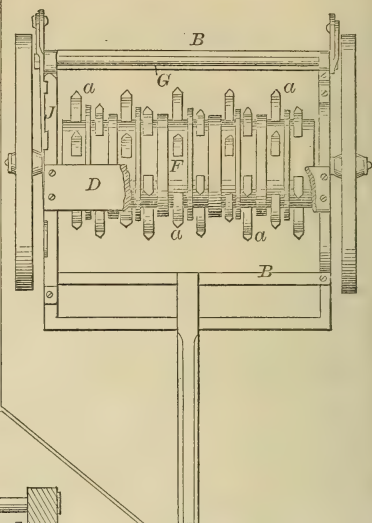
52491—J. Hankey—*Currier's Scourer.*



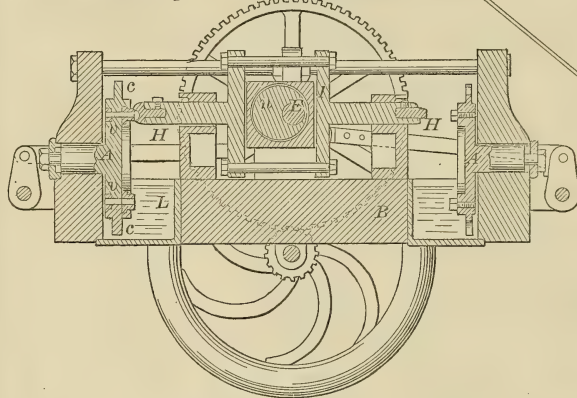
**52493**—Hopson, Manville & Brooks—*Machine for Pointing Wire.*



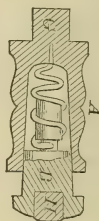
**52496**—D. Myers—*Rotary Plow.*



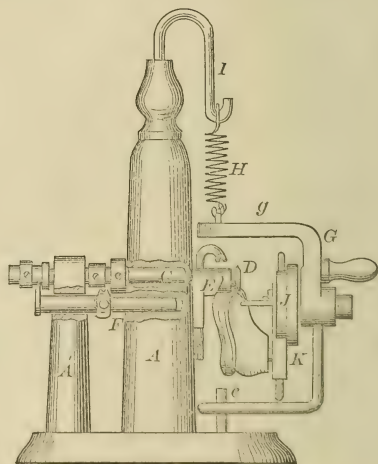
**52494**—L. Kirkup—*Bolt-Heading Machine.*



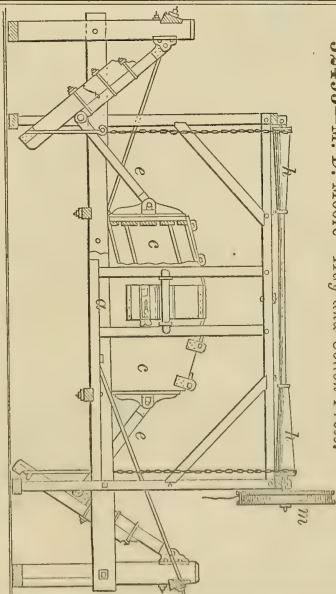
**52497**—Perry & Gladding—*Door Guard.*



**52498**—Thompson & Tripp—*Heel Polishing Machine.*

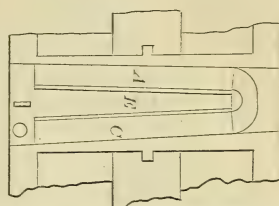
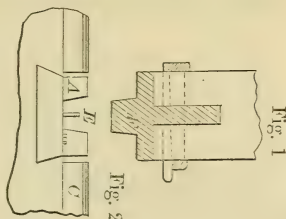
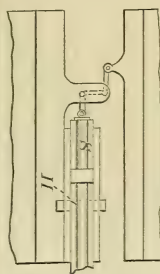
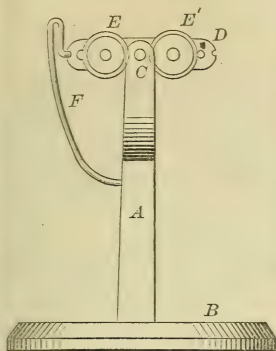


**52495**—M. D. Moore—*Hay and Cotton Press.*



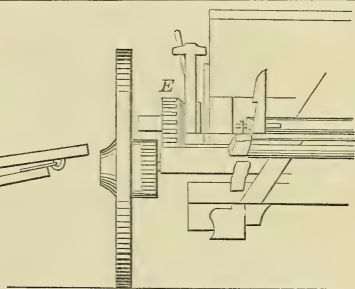
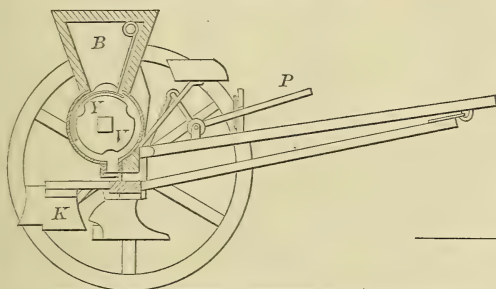


52499—Thompson & Tripp—  
—Heel Polishing Machine.

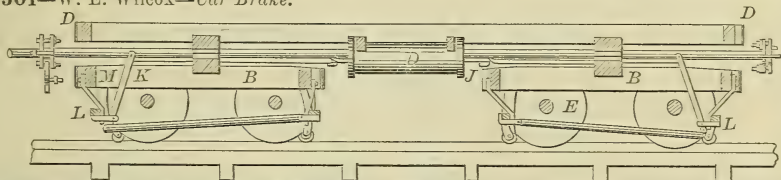


52502—H. Baines—For Working Ends of Railroad  
Rails.

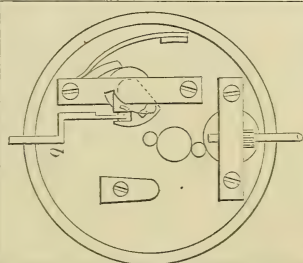
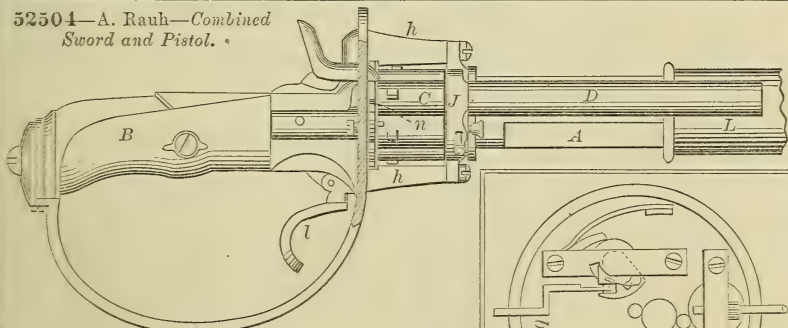
52500—H. H. Webster—Planter and Seeder.



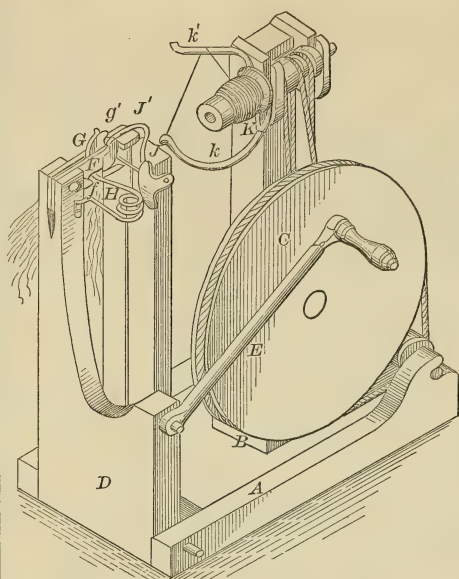
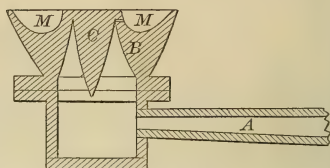
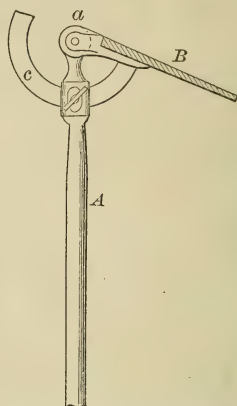
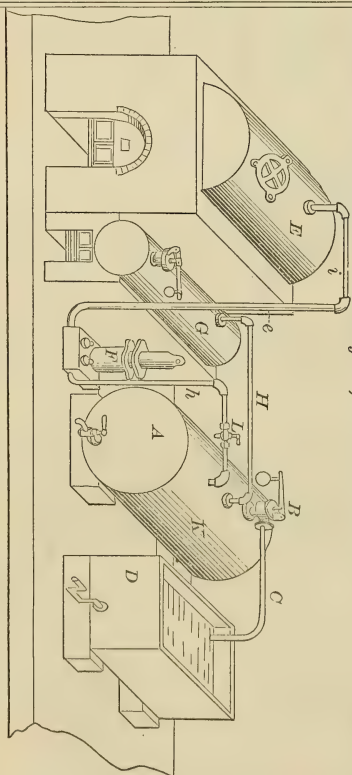
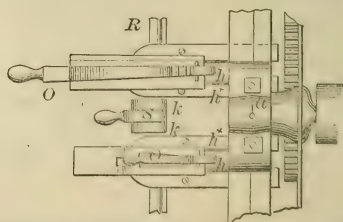
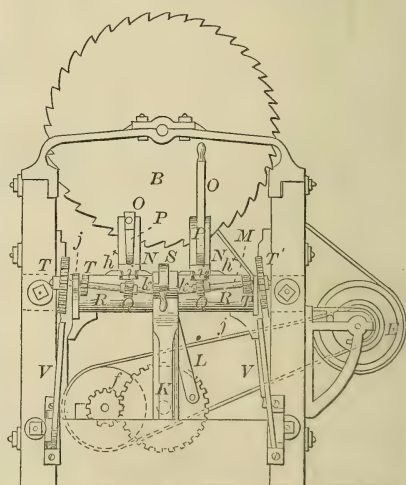
52501—W. E. Wilcox—Car Brake.



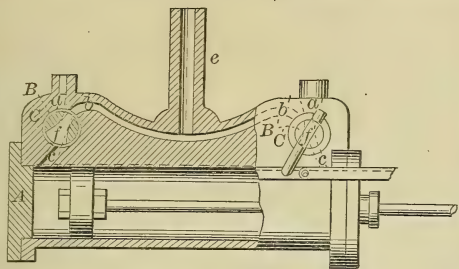
52504—A. Rauh—Combined  
Sword and Pistol.



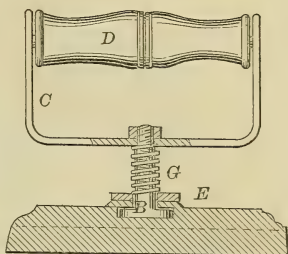
52505—F. R. Thewer—  
Self-Winding Watch.

52506—L. Skeels—*Flax Spinning Machine.*52508—E. Koons—*Tuyere.*52510—S. W. Adams—*Hoe.*52509—C. Adams—*For Bleaching Oil, &c.*52507—T. H. Cox—*Shingle Mill.*

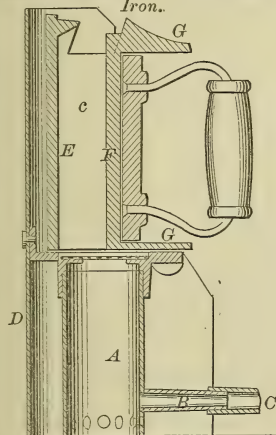
52511—W. H. Akins—*Plug Valve for Steam Engine.*



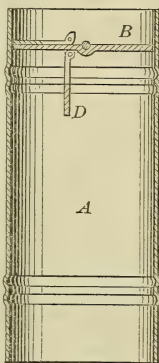
52512—J. Alexander—*Flat Iron.*



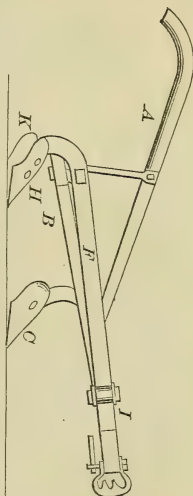
52513—Barry & Preston—*Sad Iron.*



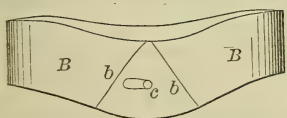
52514—J. Barton—*Store Pipe Damper.*



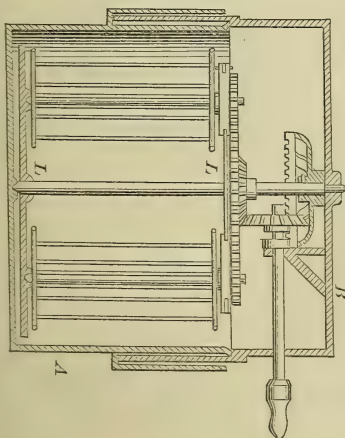
52515—C. Belden—*Cultivator.*



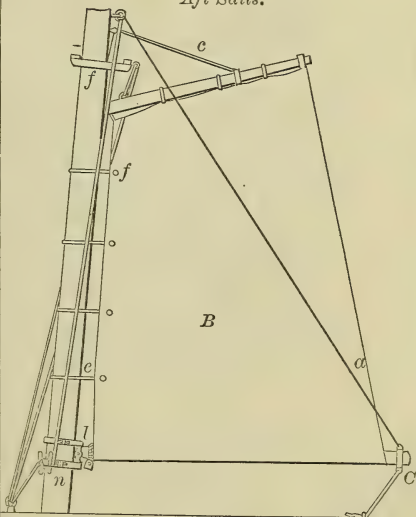
52516—S. A. Bemis—*Shirt Collar.*



52518—A. R. Blasse—*Egg Beater.*



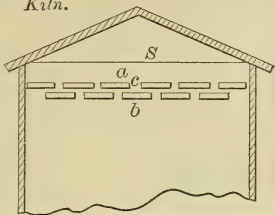
52517—G. A. Bigelow—*For Reefing Fore and Aft Sails.*



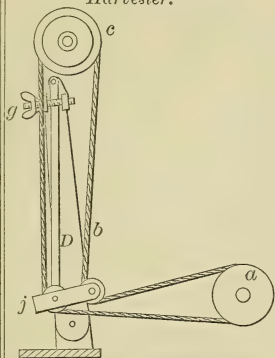




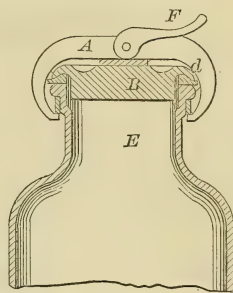
52524—H. G. Bulkley—*Drying Kiln.*



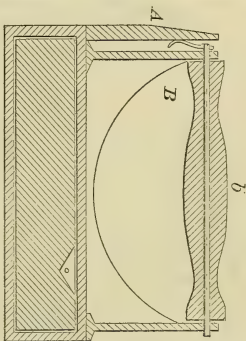
52526—W. H. Burkhardt—*Harvester.*



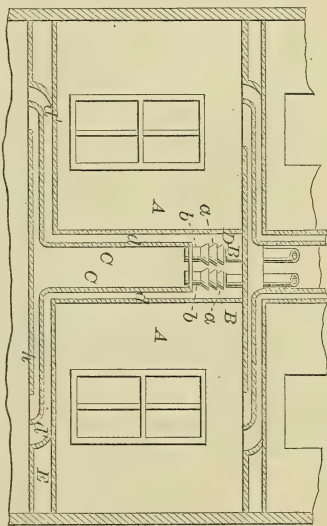
52525—F. A. Bunnell—*Fruit Jar Cover.*



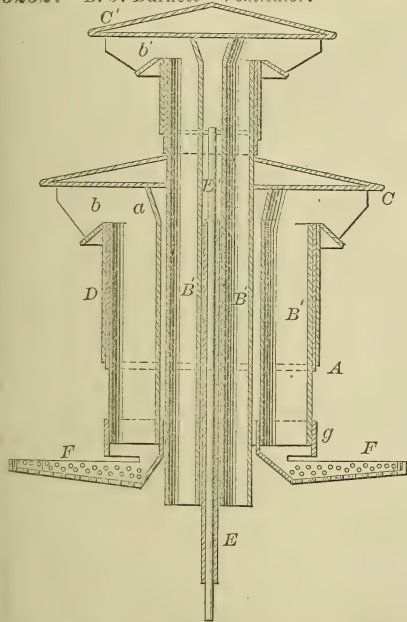
52529—T. Butters—*Flat Iron.*



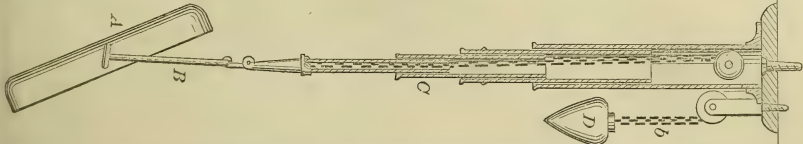
52528—B. J. Burnett—*For Ventilating Houses, &c.*



52527—B. J. Burnett—*Ventilator.*



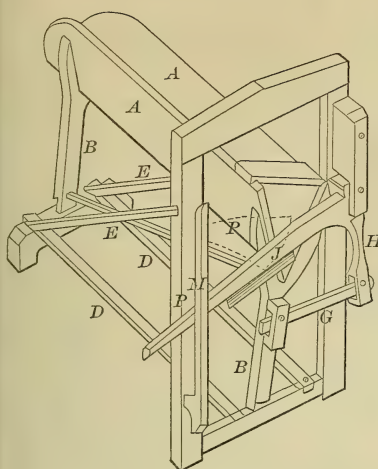
52531—G. Chappell—*Adjustable Toilet Glass.*



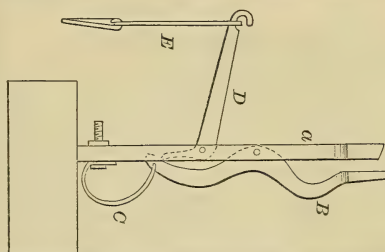




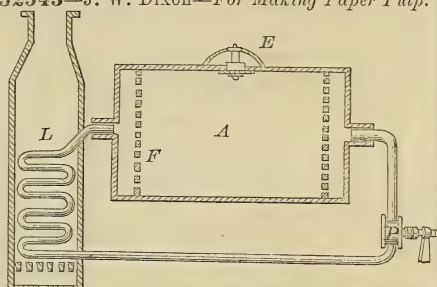
52537—J. Conner—*Straw Cutter.*



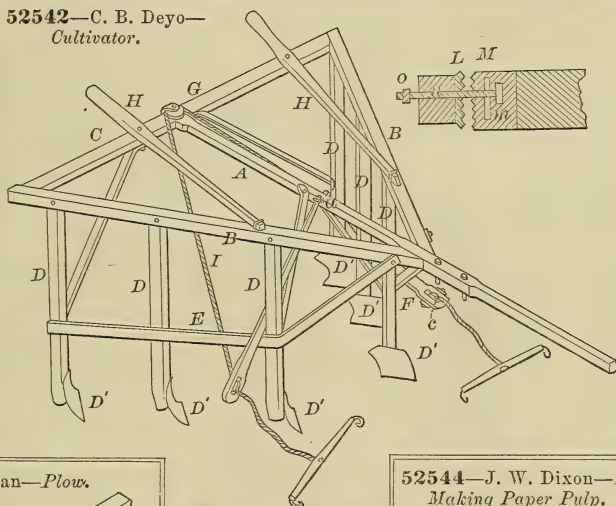
52538—Coon & Hill—*Horse Shoe Vise.*



52543—J. W. Dixon—*For Making Paper Pulp.*



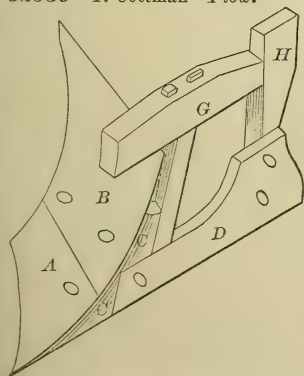
52542—C. B. Deyo—*Cultivator.*



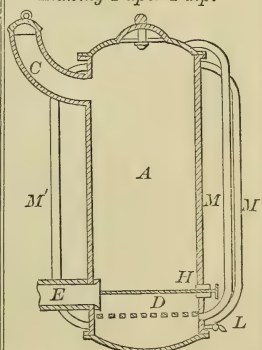
52541—S. D. Cushman—*Lightning Rod.*



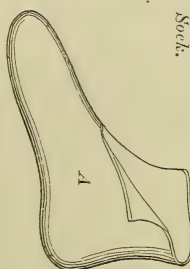
52539—T. Cottman—*Plow.*



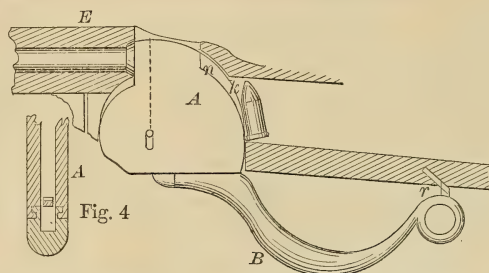
52544—J. W. Dixon—*For Making Paper Pulp.*



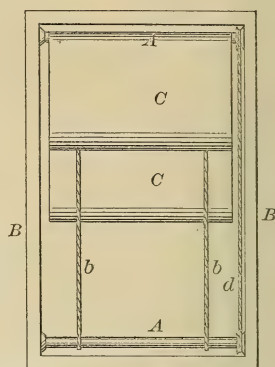
52540—J. W. B. Covington—*Paper Sock.*



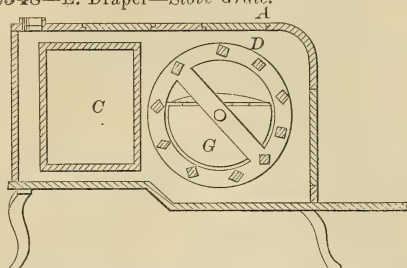
52547—W. C. Dodge—Breech-Loading Fire Arm.



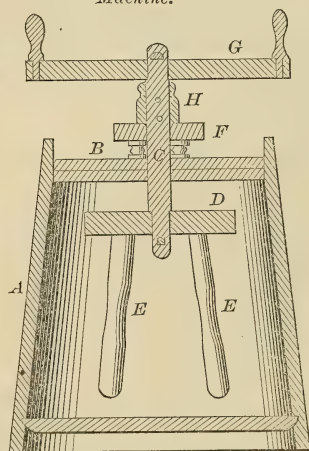
52555—H. Foster—Window Curtain.



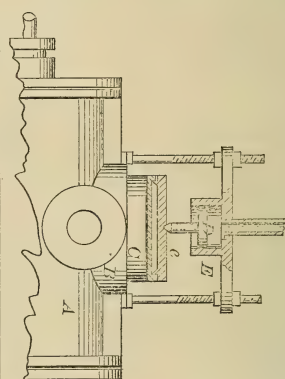
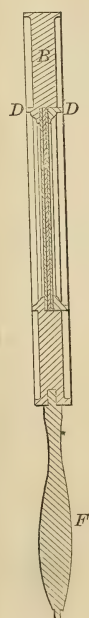
52548—E. Draper—Stove Grate.



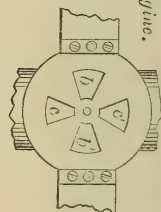
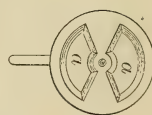
52550—J. &amp; J. Ehart—Washing Machine.



52551—J. E. Paris—Hand Mirror.



52556—J. Gallatin, Jr.—Valve for Steam Engine.



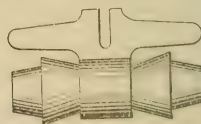
52549—O. Eaton—Roofing.



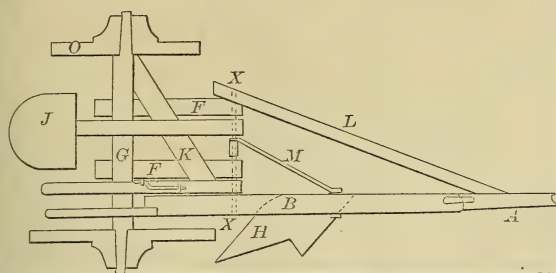
52552—D. Fitzpatrick—Cutlery.



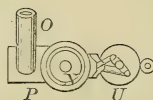
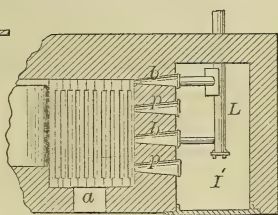
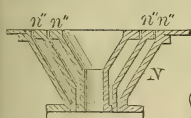
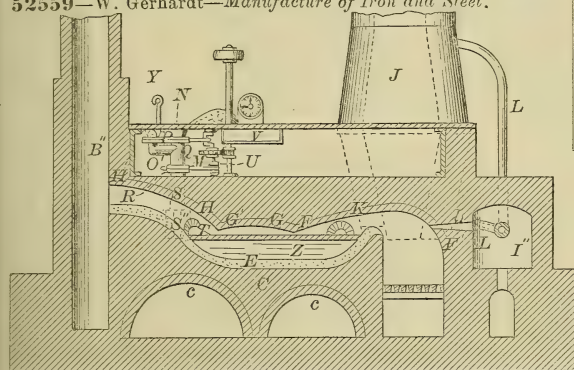
52557—J. B. Gardiner—Neck Tie.



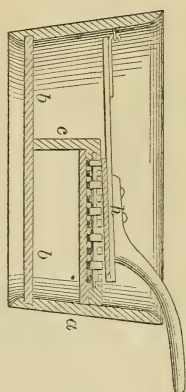
52558—R. R. Gaskill—Gang Plow.



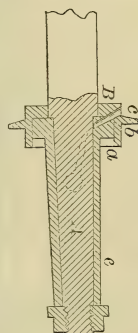
52559—W. Gerhardt—Manufacture of Iron and Steel.



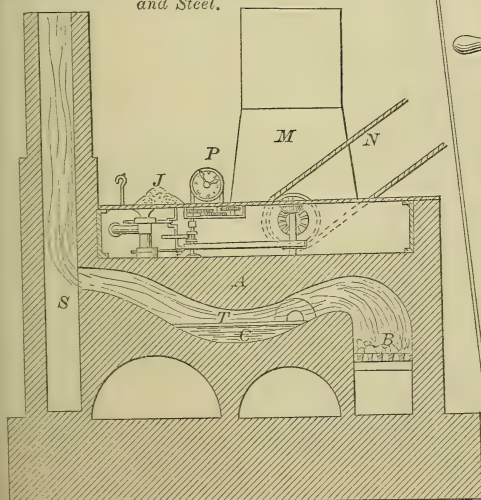
52562—W. H. Greer—Washing Machine.



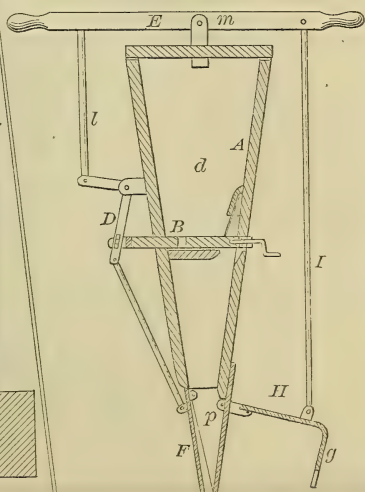
52561—R. P. Gillett—Axle and Journals.



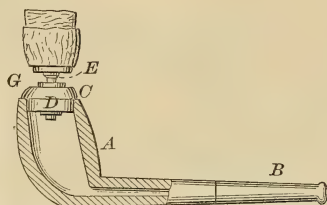
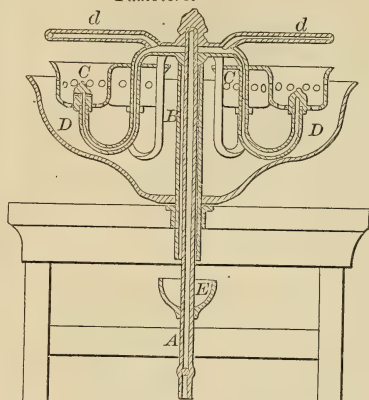
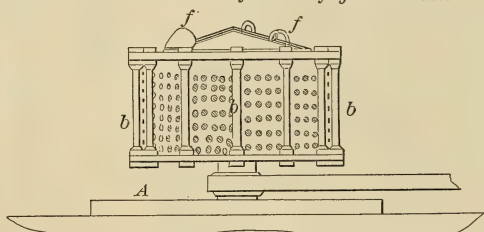
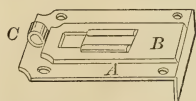
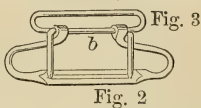
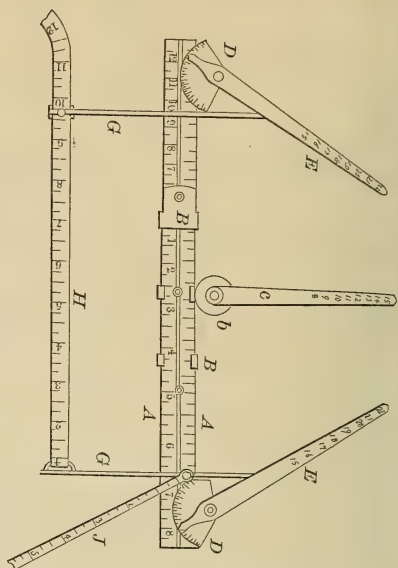
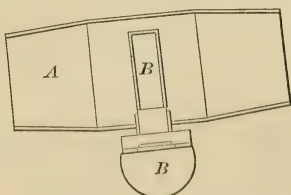
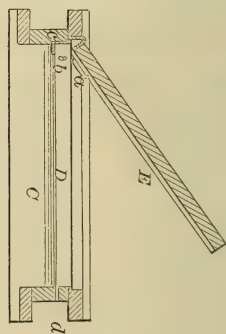
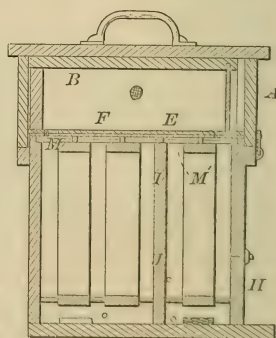
52560—W. Gerhardt—Manufacture of Iron and Steel.



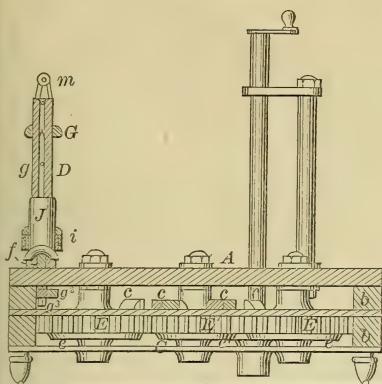
52563—S. Guild—Seeder and Fertilizer Combined.



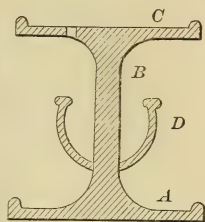


52564—H. J. Hale—*Smoking Device.*52565—A. Hallowell—*For Washing Tumblers.*52569—Hartson & Woolsey—*Centrifugal Machine.*52570—G. Havell—*Bolt.*52568—S. S. Hartshorn—*Buckle.*52572—J. L. Hutchinson—*Evaporator for Hot Air Pipes.*52566—G. W. T. Harley—*Tailor's Measure.*52567—M. S. Harsha—*Weather Strip.*52571—H. Hodgson—*Beehive.*

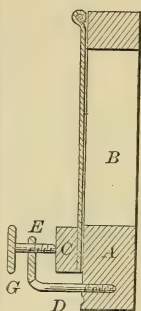
52573—O. M. Inman—*Braiding Machine.*



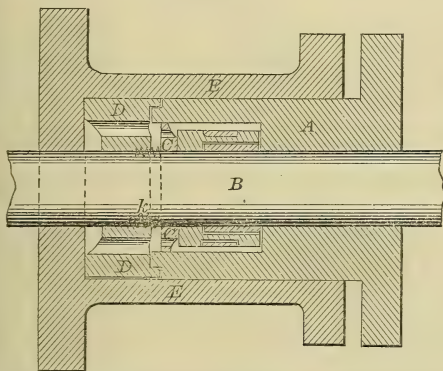
525 52576—I. W. Lamb—  
*Dish Stand.*



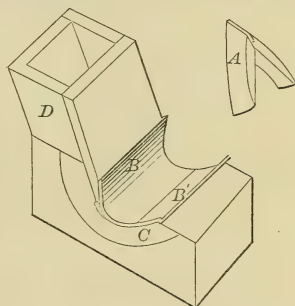
52577—J. F. Landis—*Honging Curtains, &c.*



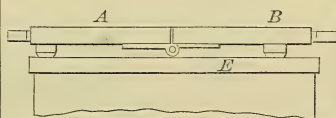
52575—C. F. Jauriet—*Metallic Packing for Stuffing Boxes.*



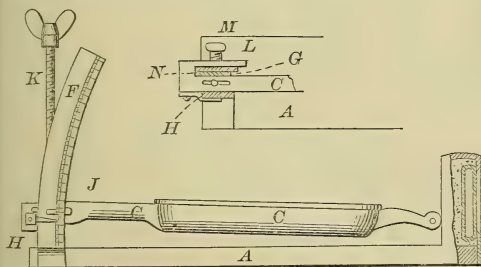
52578—L. M. Larsh—*Water Wheel*.



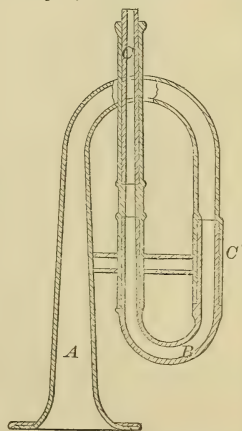
52581—L. H. Sondheim—*Seat for Water Closets.*



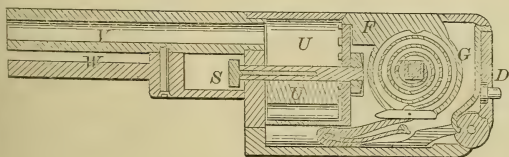
52579—R. Ledig—*Spirit Level.*



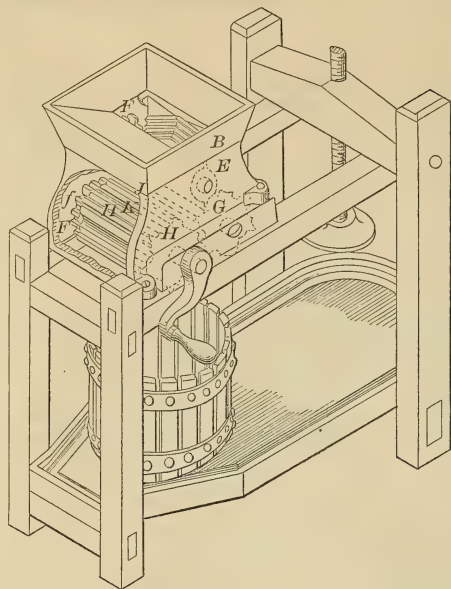
52580—H. G. Lehnert—  
*Bugles, Horns, &c.*



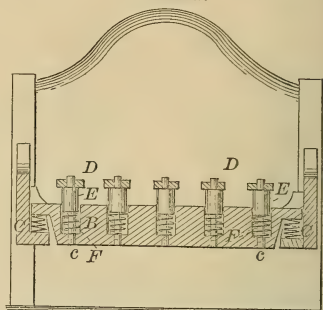
52582—B. T. Loomis—*Revolving Fire Arm.*



52583—S. Males—Cider Mill.



52585—J. B. McClanathan—Spring Bedstead.



52589—B. T. Nichols—Stirrup.

Fig. 1

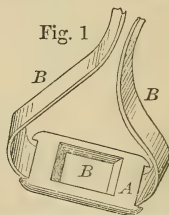
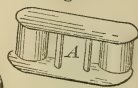
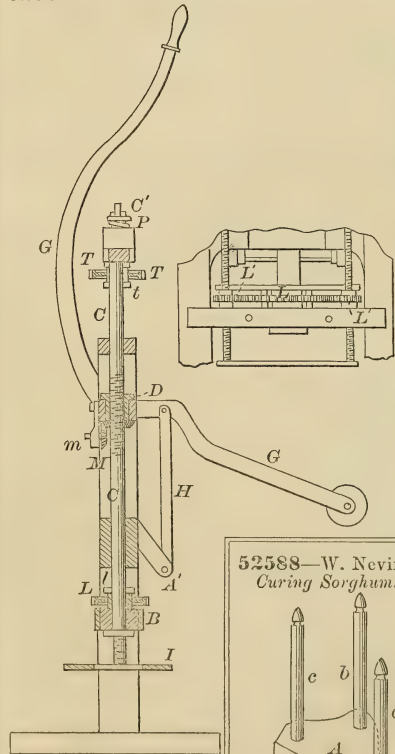


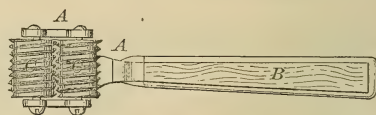
Fig. 2



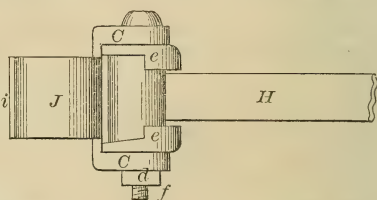
52584—G. Matthewman—Press.



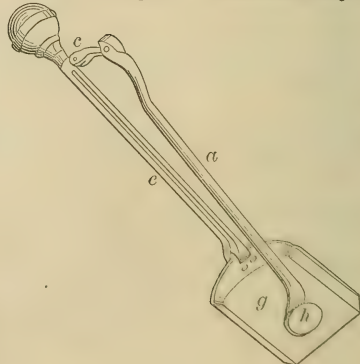
52587—W. Nash—Knife Sharpener.



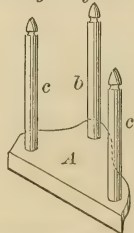
52586—J. McDermott—Thill Coupling.



52590—H. Ogborn—Shovel and Tongs.

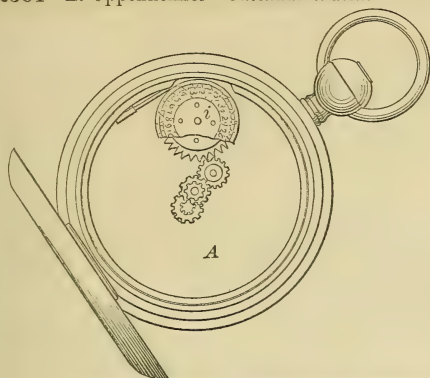


52588—W. Nevins—Curing Sorghum.

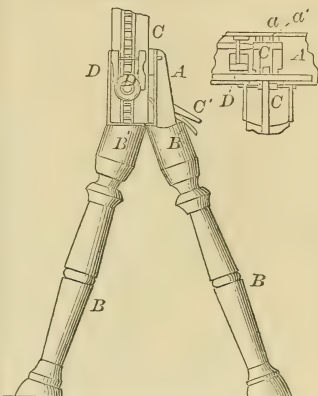




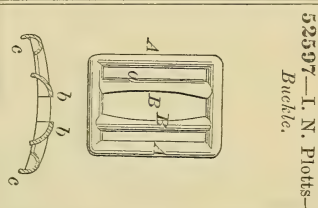
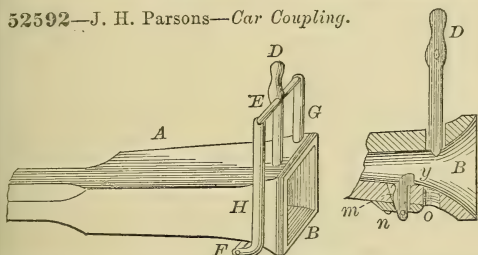
52591—E. Oppenheimer—Calendar Watch.



52596—J. W. Pettengill—Lifting Jack.

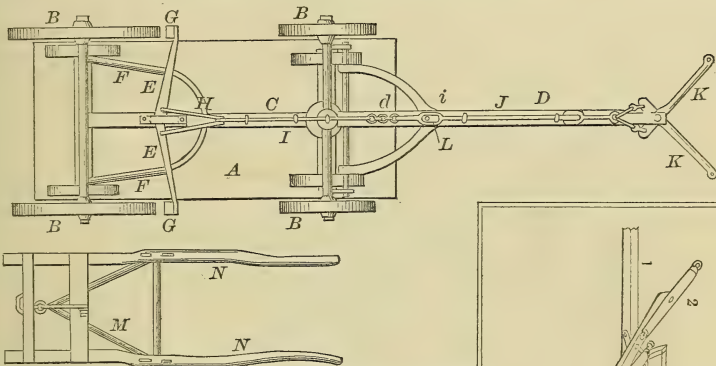


52592—J. H. Parsons—Car Coupling.

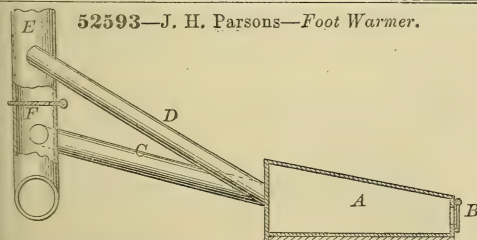


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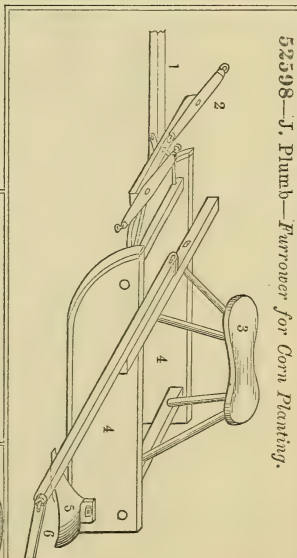
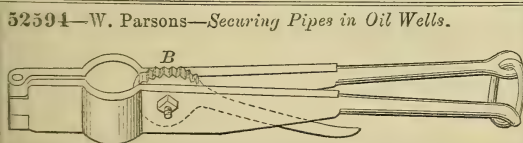
52595—L. C. Percival—Wagon Brake.



52593—J. H. Parsons—Foot Warmer.

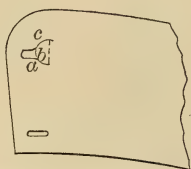


52594—W. Parsons—Securing Pipes in Oil Wells.

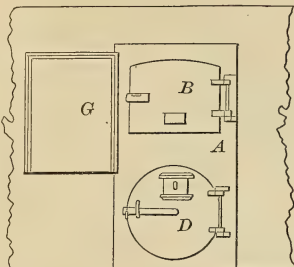


52598—J. Plumb—Furrower for Corn Planting.

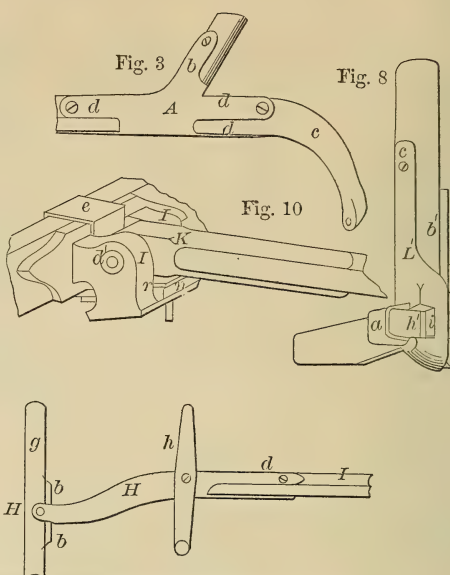
**52599**—B. F. Porter—*Buttonhole for Paper Collars.*



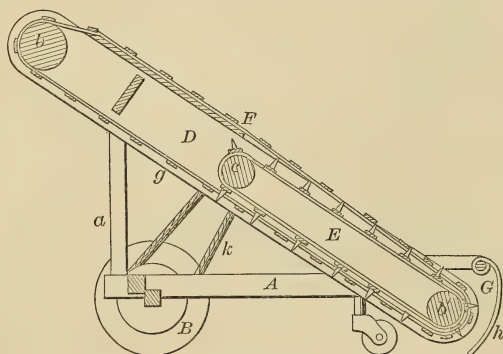
**52604**—J. Reynolds—*Dust Screen for Furnace Doors.*



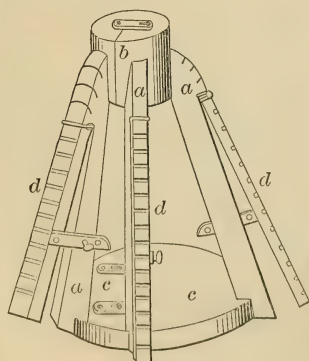
**52600**—T. W. Porter—*Vehicle.*



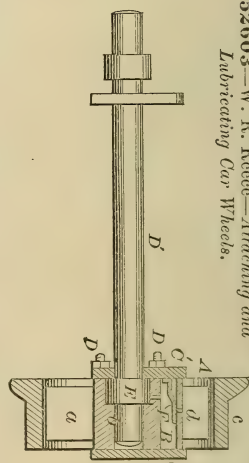
**52601**—J. S. Preston—*For Raking and Loading Hay.*



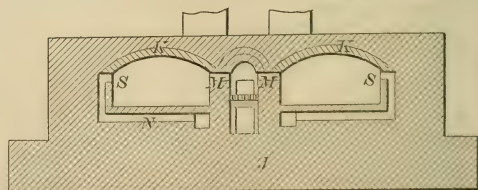
**52602**—A. Raffel—*Hoop Skirt Former.*



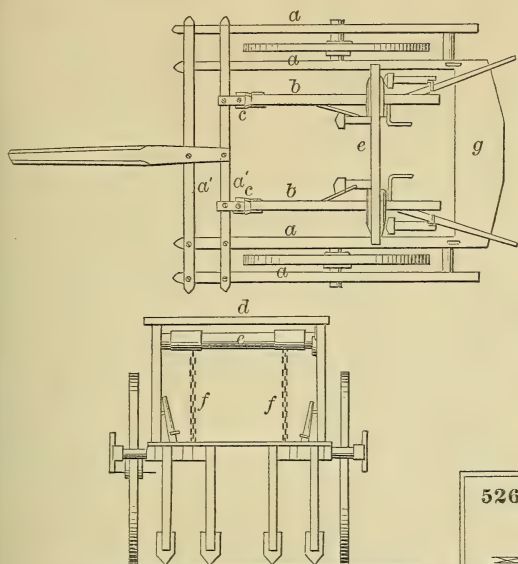
**52603**—W. R. Reece—*Attaching and Lubricating Car Wheels.*



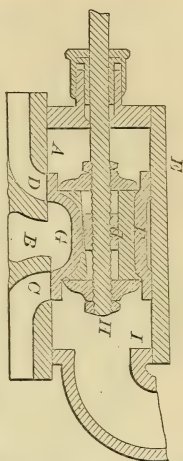
**52605**—S. Reynolds—*Oven for Annealing Iron.*



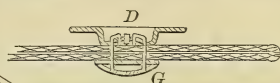
52606—H. Rice—Cultivator.



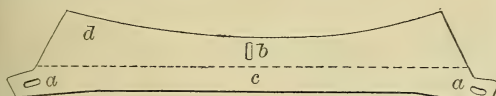
52609—F. H. Richards—Balanced Slide Valve.



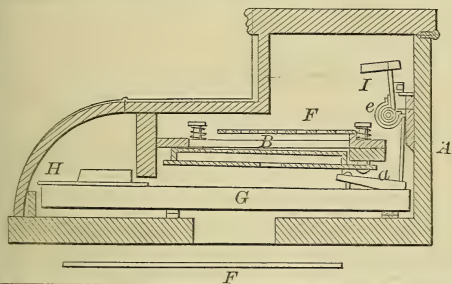
52608—C. E. Richards—Button.



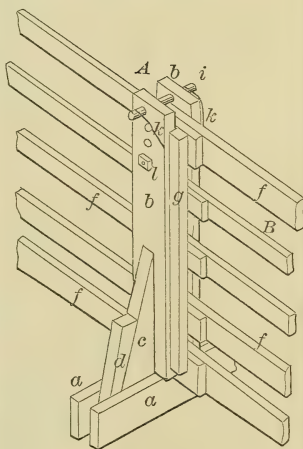
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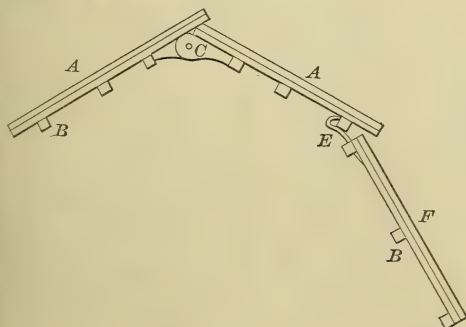
52610—C. Robbins—Piano.



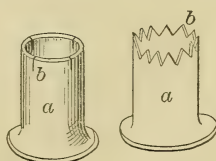
52611—S. Saunders—Fence.



52613—M. Simmons—Roof.

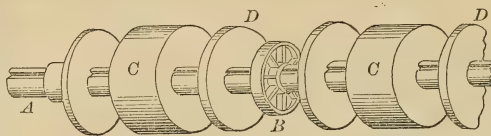


52614—C. D. Smith—Eyelet.

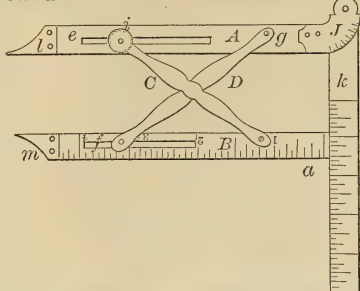




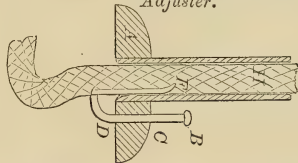
52615—H. E. Smith—Roll for Clothes Wringers.



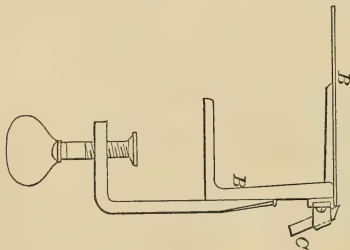
52616—U. Smith—Parallel Ruler.



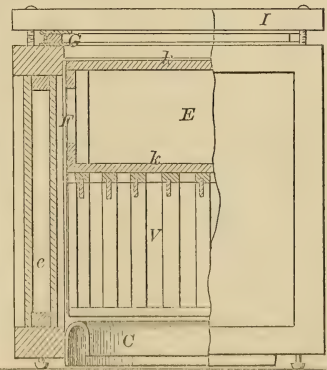
52618—C. C. Stansell—Lamp Wick Adjuster.



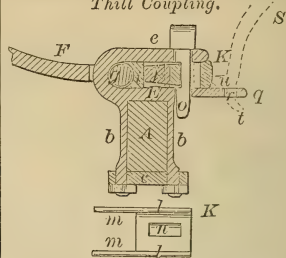
52620—F. C. Sumner—Shoe Lacing Cutter.



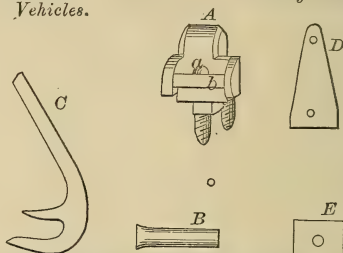
52622—Taylor, Taylor &amp; Cox—Beehive.



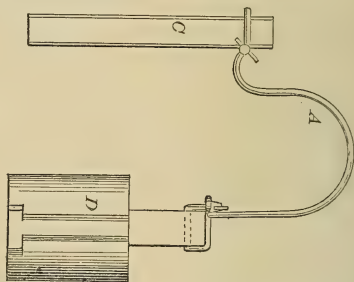
52621—H. L. Taylor—Pole and Thill Coupling.



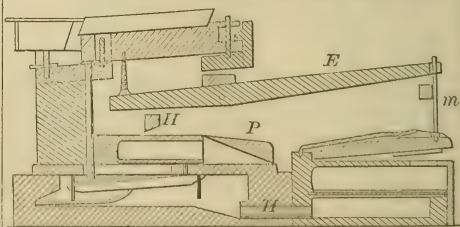
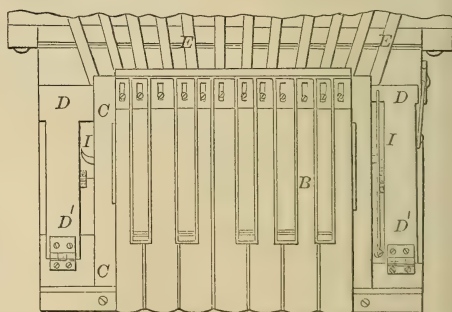
52619—J. L. Sesserott—Attaching Shafts to Vehicles.



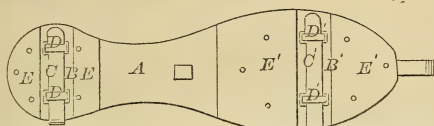
52617—H. Splitdorf—Galvanic Batteries.



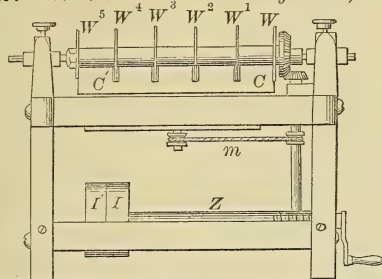
52623—S. Taylor—Organ and Melodeon.



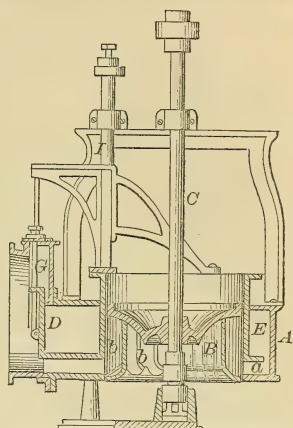
52624—J. R. Tempest—*Skate.*



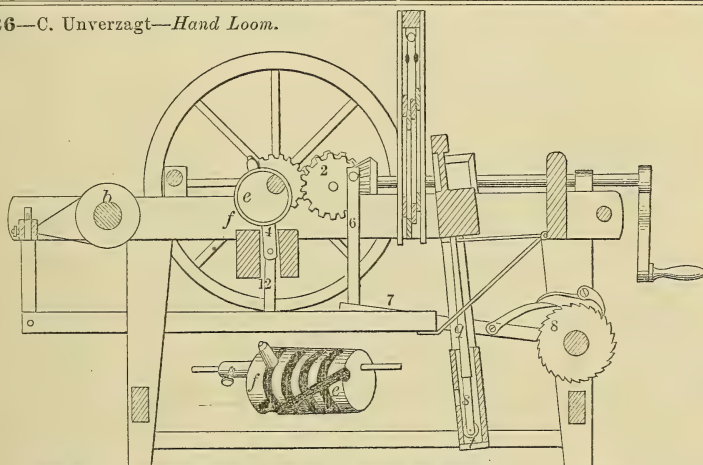
52627—W. B. Vincent—*For Cutting Bread, &c.*



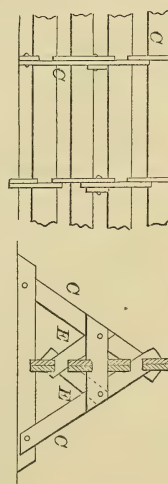
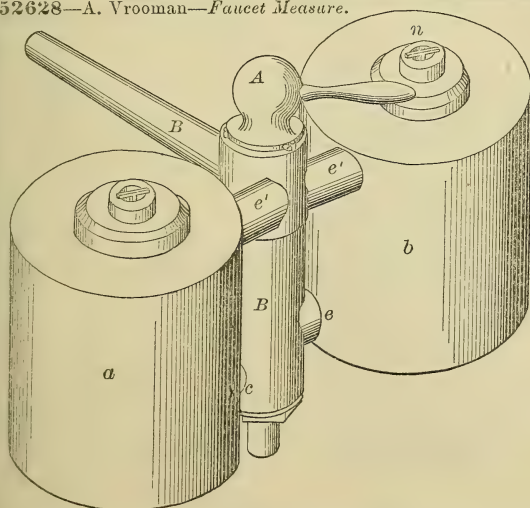
52625—J. Tyler—*Turbine Water Wheel.*



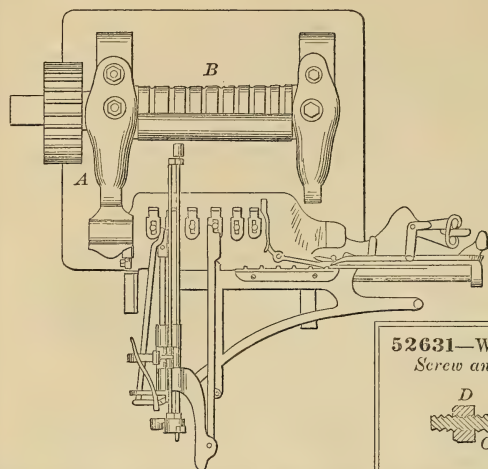
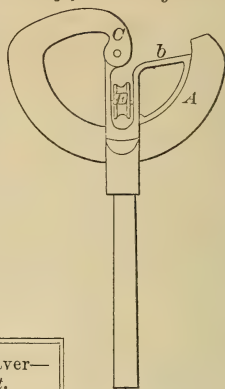
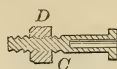
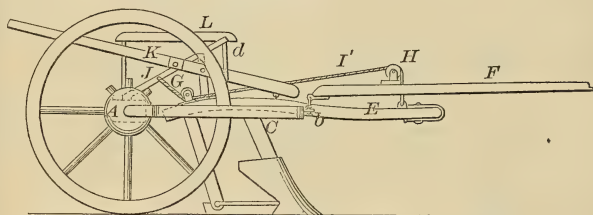
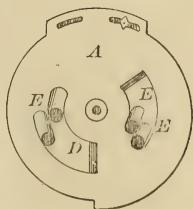
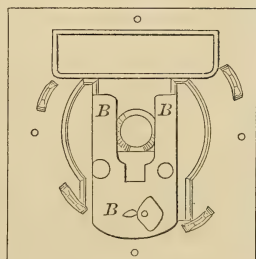
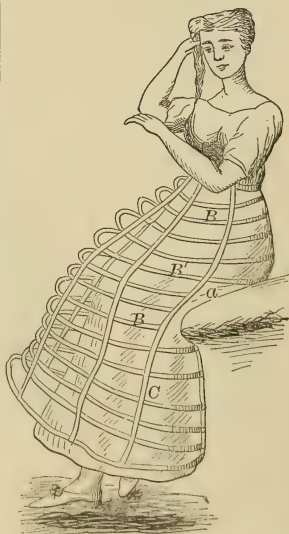
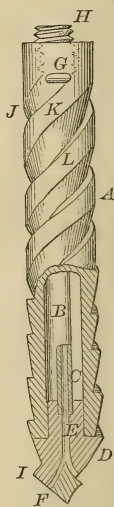
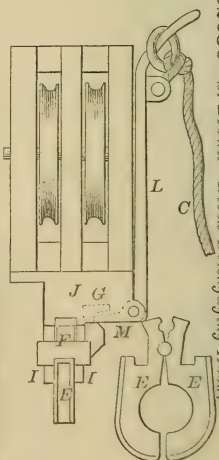
52626—C. Unverzagt—*Hand Loom.*



52628—A. Vrooman—*Faucet Measure.*

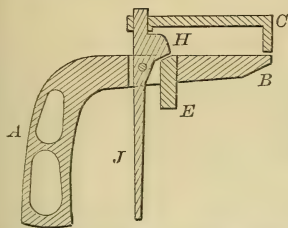


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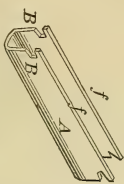
**52630**—H. Waters—*For Rolling Metals.***52634**—W. Woodbury—*Pulley for Fishing Boats.***52631**—W. Weaver—*Screw and Bolt.***52633**—Widman & Millica—*Plow.***52635**—J. H. Alexander—*Seed Planter.***52637**—J. P. Buzzell—*Hoop Skirt.***52632**—S. H. Whittlesey—*Well Borer.***52636**—S. Brown—*Block Disengaging Hook.*



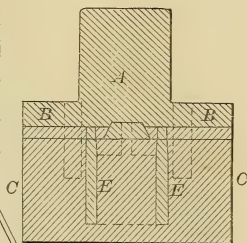
52638—R. G. Chase—Saw Set.



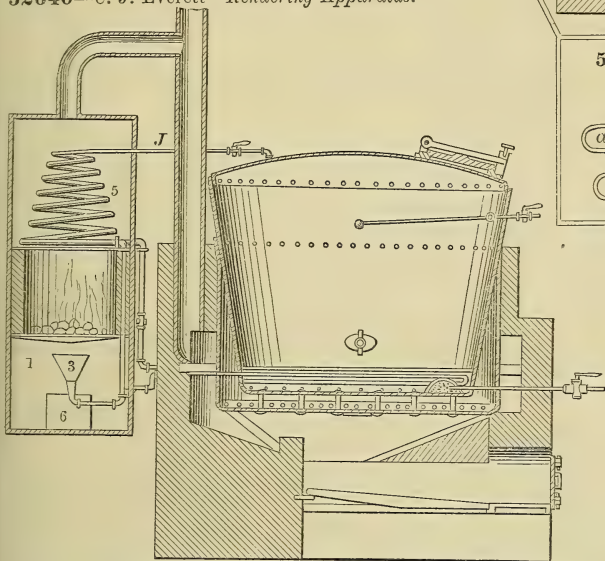
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Clasp for Skirt Hoops.



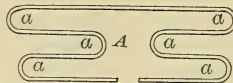
52641—P. W. Gates—  
Stamping Head.



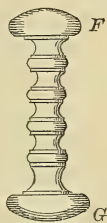
52640—C. J. Everett—Rendering Apparatus.



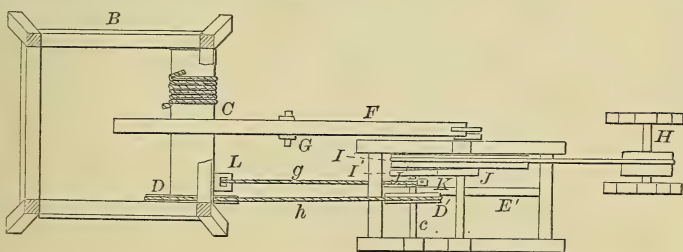
52644—T. J. Jones—  
Piston Packing.



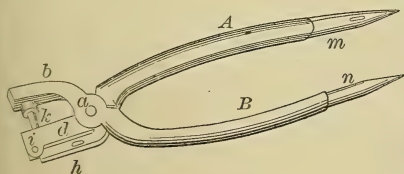
52643—J. H. Greenleaf—Darning  
Spool.



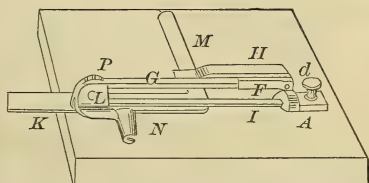
52642—S. J. Goucher—Well Boring Apparatus.



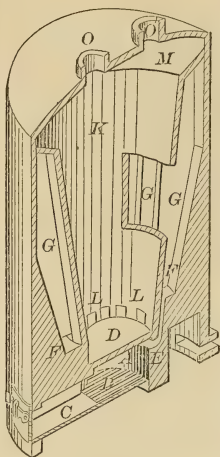
52645—E. C. C. Kellogg—Lacing Device.



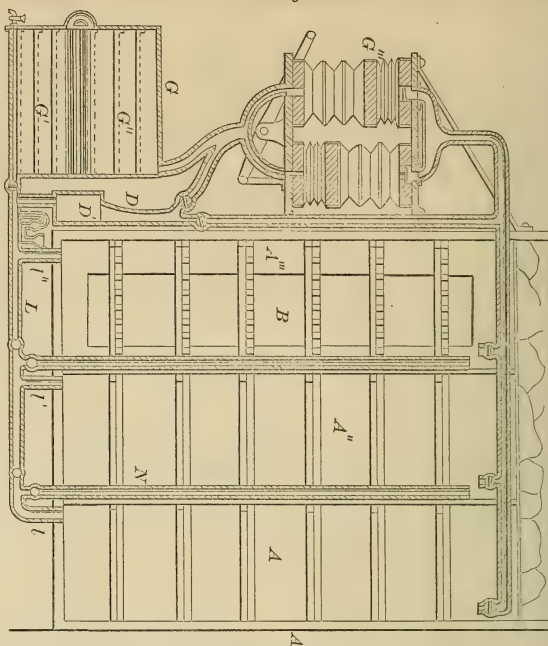
52646—G. C. Overhiser—Sewing Machine  
Hemmer.



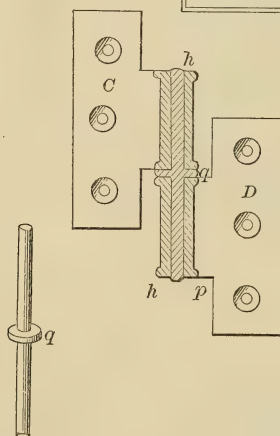
52648—J. H. Schwein—  
Hot Air Furnace.



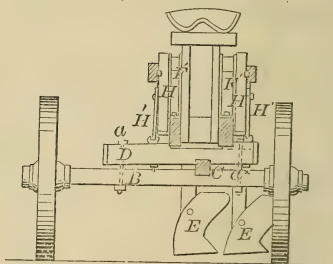
52650—A. Smith—Preservatory.



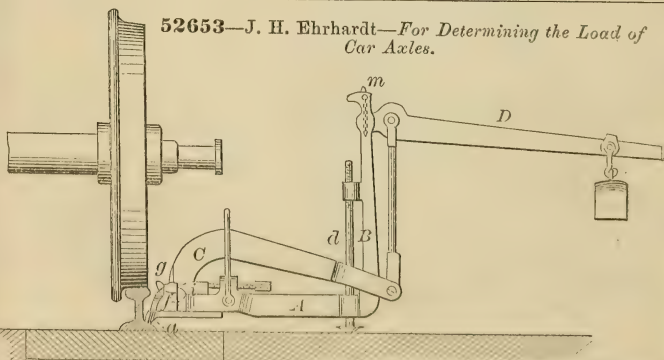
52649—S. Selden—Hinge.



52651—J. E. Travis—Gang Plow.



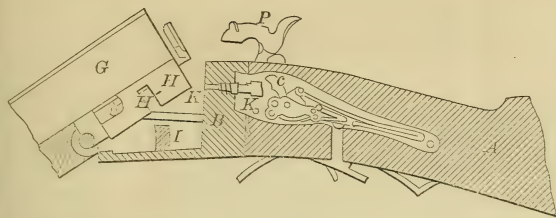
52653—J. H. Ehrhardt—For Determining the Load of  
Car Axles.



52652—J. Waterman—Buckle.



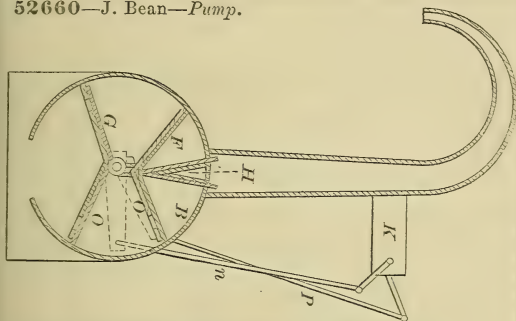
52654—A. Henry—Breech-Loading Fire Arm.



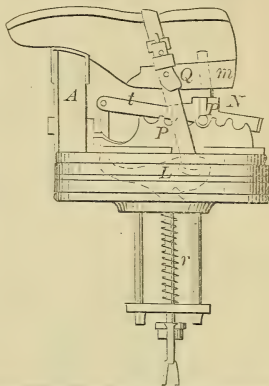
52659—J. Barton—Paper and Cloth Collar.



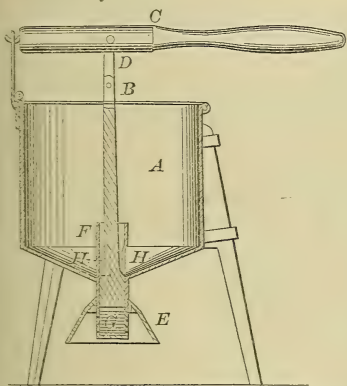
52660—J. Bean—Pump.



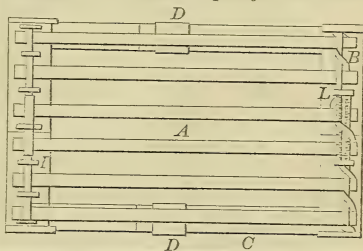
52657—I. E. Allen—Head Block for Holding Boots and Shoes.



52661—L. Bishop—Press and Strainer for Cream Paste.



52658—J. Barnes—Spring Bed Bottom.



52663—S. R. Boure—Sled.

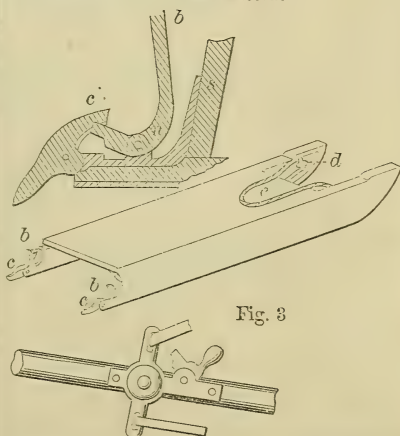
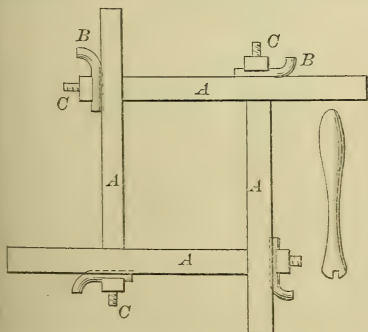
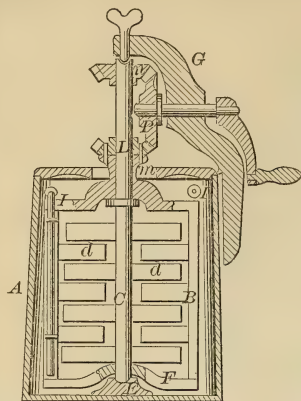
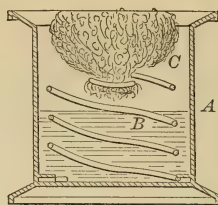
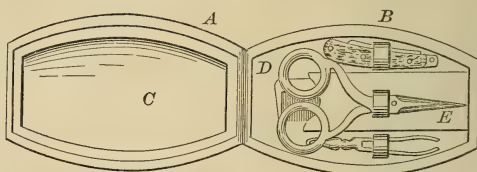
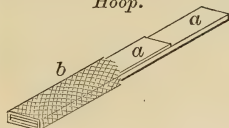
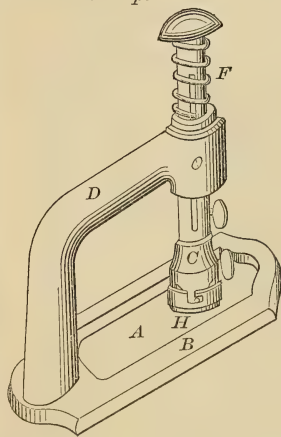
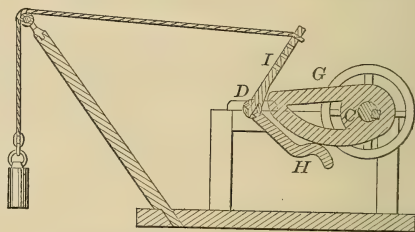
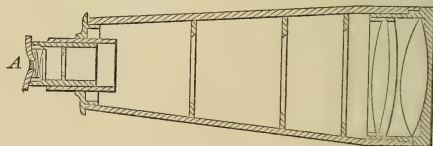
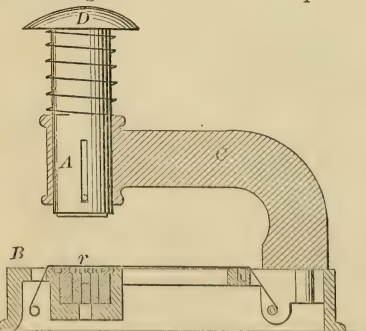
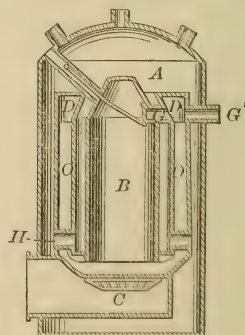


Fig. 3

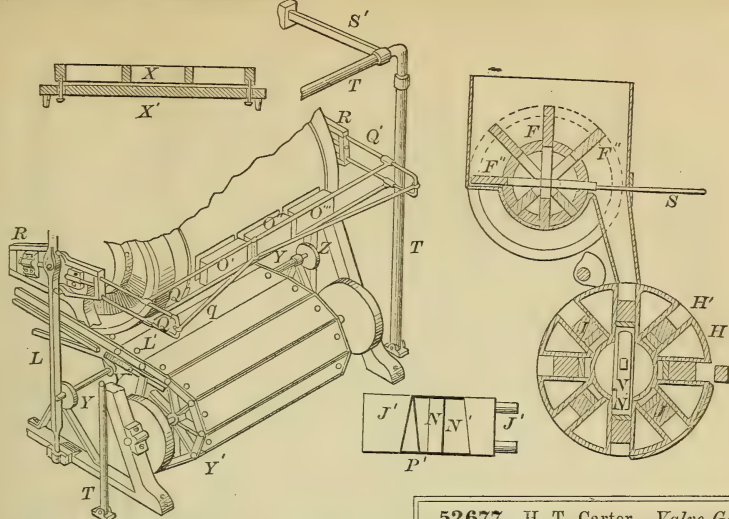
52662—A. M. Blanchard—Printers' Chase.



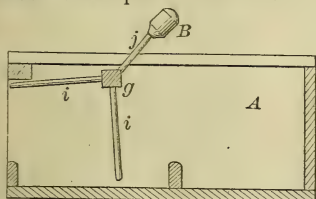


52664—W. Boynton—*Churn.*52667—S. B. Brague—*Sponge Cup.*52669—F. F. Braillard—*Pocket Toilet Case.*52665—J. W. Bradley—*Skirt Hoop.*52666—S. B. Brague—*Hand Stamp.*52670—C. N. Briggs—*Well Boring Machinery.*52672—C. B. Boyle—*Lens.*52668—Brague & Starr—*Hand Stamp.*52671—Brown & Frankem—*Hot Air Furnace.*

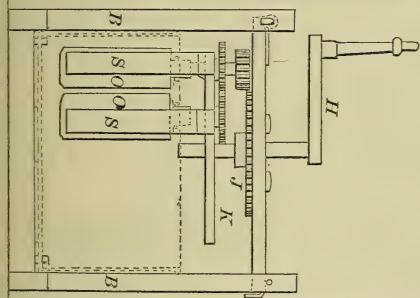
52674—H. C. Bull—Brick Machine.



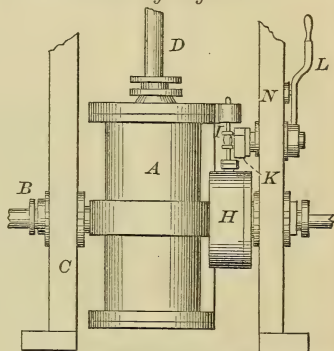
52675—C. Campbell—Hen's Nest.



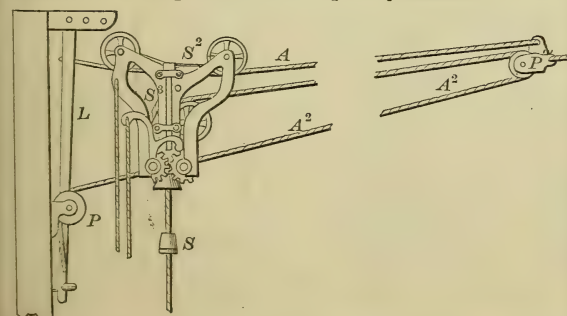
52678—Clark & Jenks—For Mixing Dough.



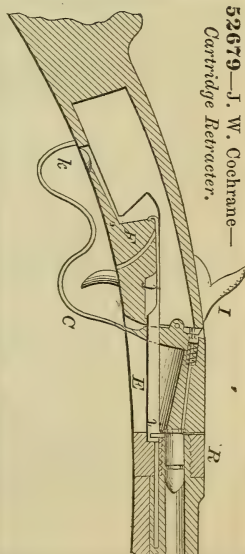
52677—H. T. Carter—Valve Gear for Oscillating Engines.



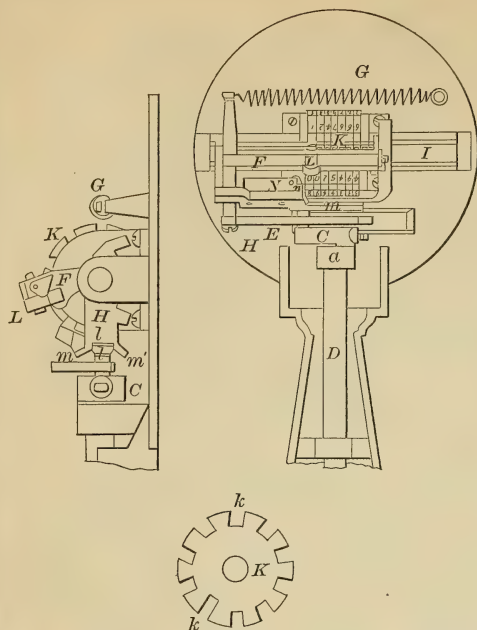
52676—E. H. Carpenter—Track Rope Hay Elevator.



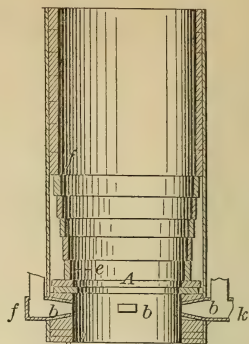
52679—J. W. Cochrane—Cartridge Retracter.



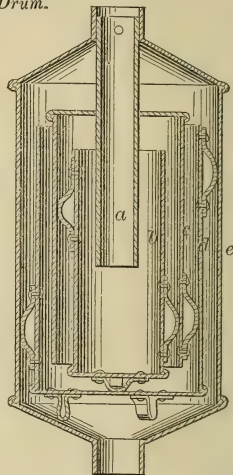
52681—S. Comfort—Counting Machine.



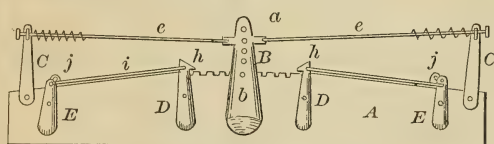
52684—A. G. Cook—Cupola or Blast Furnace



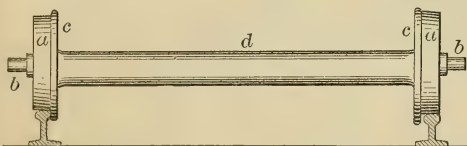
52685—H. Cook—Stove Pipe Drum.



52682—N. Comstock—Self-Operating Gate.



52683—J. L. Constable—Car Wheel.



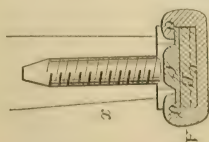
52686—R. Cross—Watch Key and Toggle.



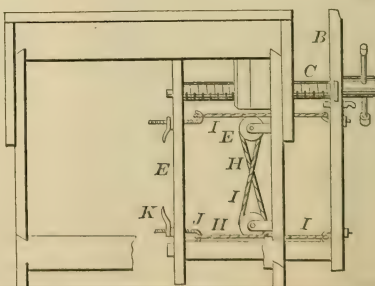
52687—R. Cross—Watch Key, &amp;c.



52688—C. Crossley—Mill Pick.

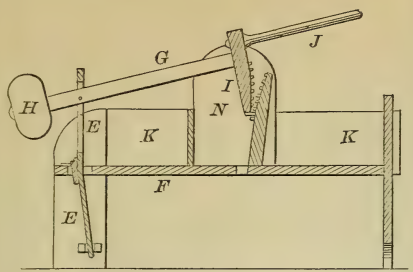


52689—W. H. Cutter—Vise for Carpenter's Bench.

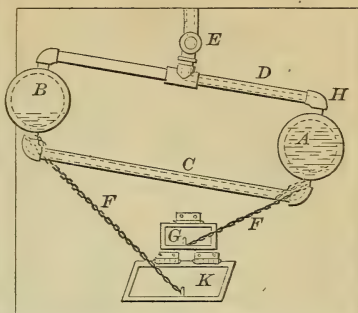




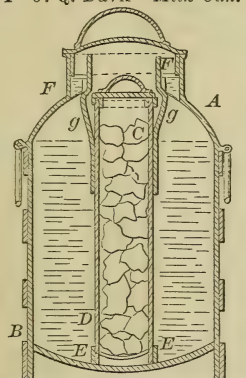
52690—J. Davis—*Sheller.*



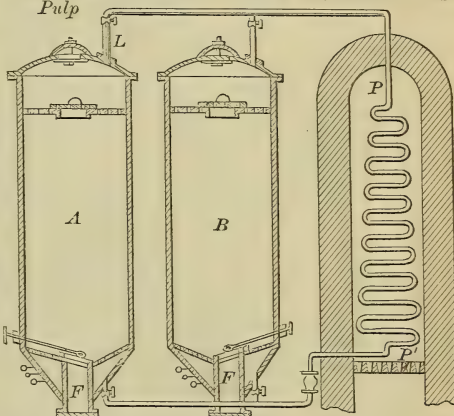
52695—O. A. Dodge—*Furnace Door Regulator.*



52691—J. Q. Davis—*Milk Can.*



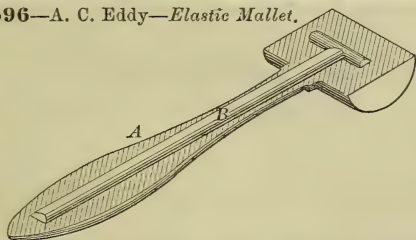
52694—J. W. Dixon—*For Manufacture of Paper Pulp*



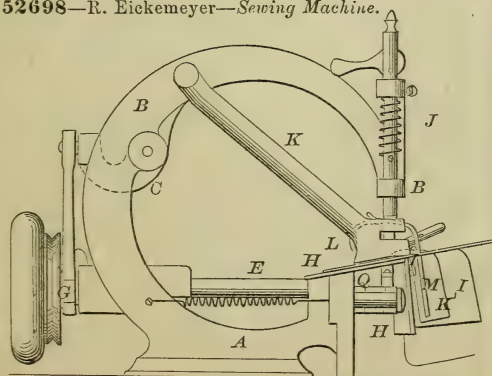
52692—T. D. Day—*Skirt Wire.*



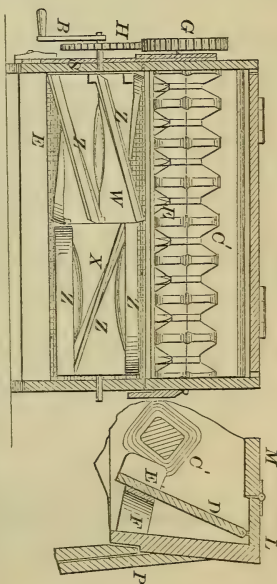
52696—A. C. Eddy—*Elastic Mallet.*



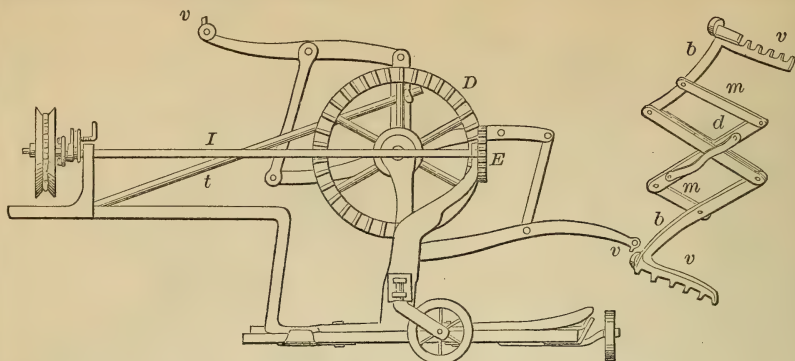
52698—R. Eickemeyer—*Sewing Machine.*



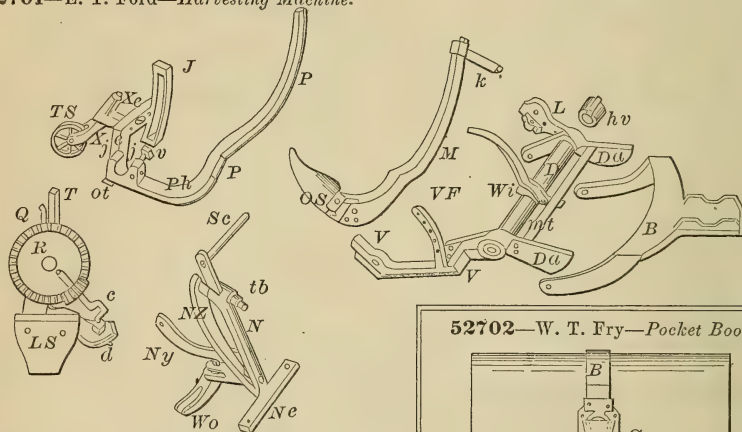
52693—W. Devines—*Drug and Spice Sifter.*



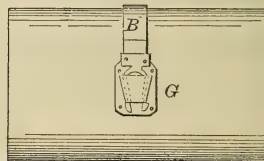
52700—E. T. Ford—Harvester Rake.



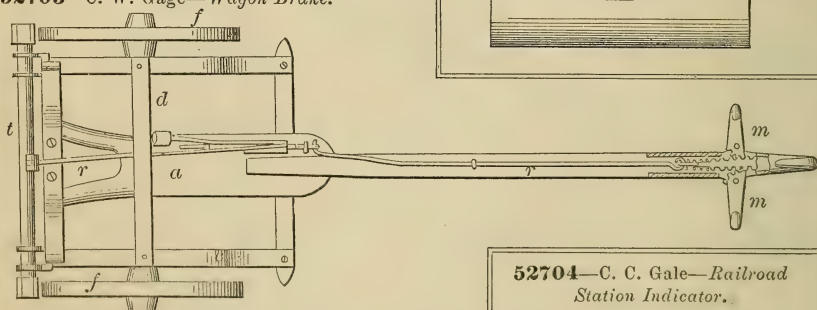
52701—E. T. Ford—Harvesting Machine.



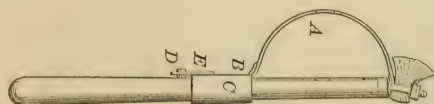
52702—W. T. Fry—Pocket Book.



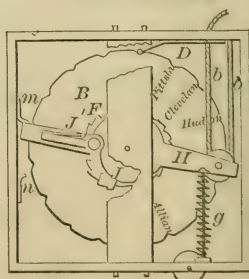
52703—C. W. Gage—Wagon Brake.



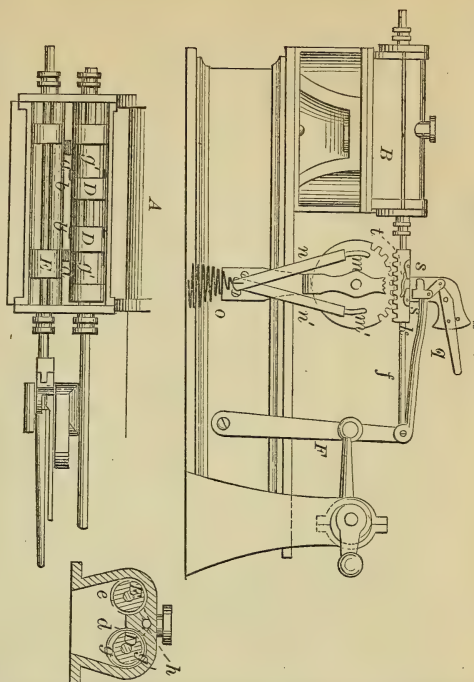
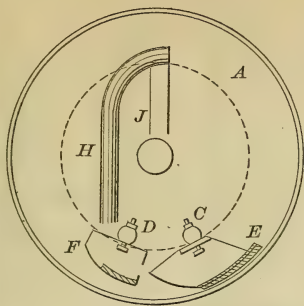
52705—W. T. Grant—Mop and Scourer.



52704—C. C. Gale—Railroad Station Indicator.

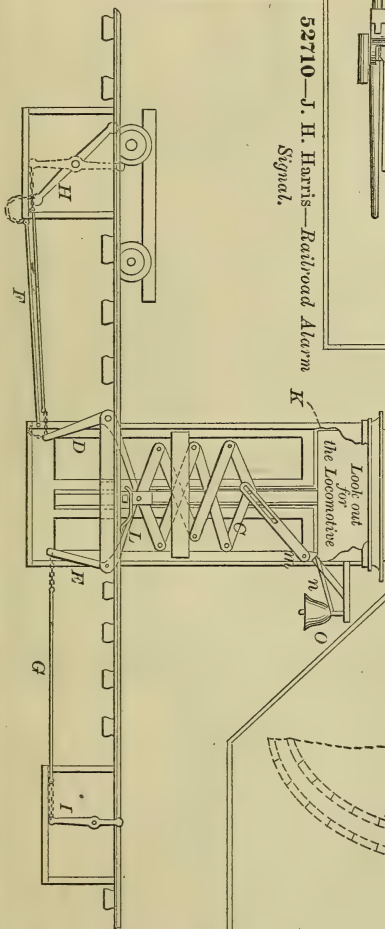


52706—W. C. Grimes—*Grain Huller.*

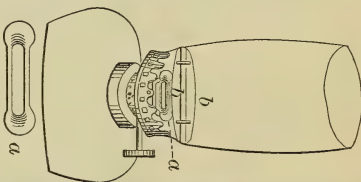


52707—E. E. Groom—*Steam and Cut-off Valve.*

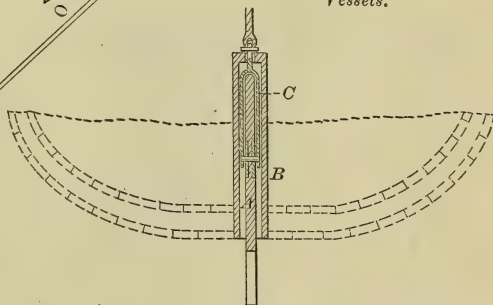
52710—J. H. Harris—*Railroad Alarm Signal.*



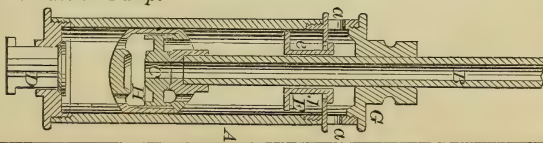
52711—A. Harroun, Jr.—*Lamp.*



52708—J. F. Hall—*Hanging Centre Boards of Vessels.*

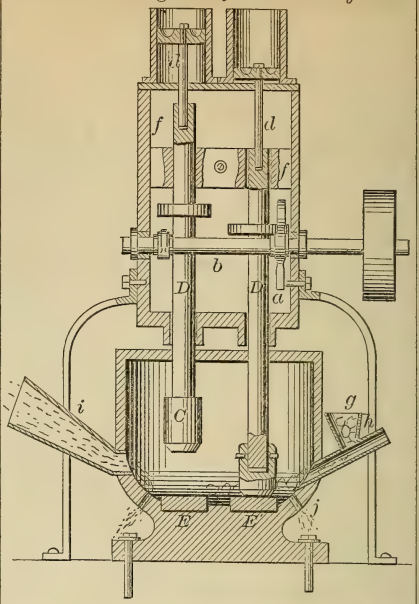


52709—H. A. M. Harris—*Pump.*

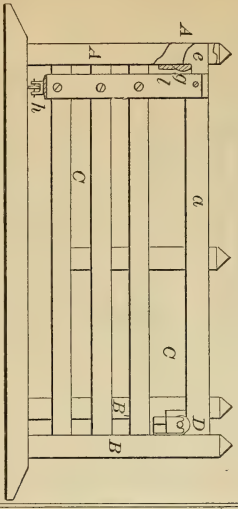




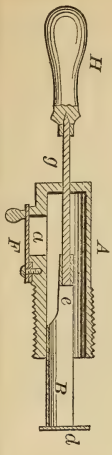
52716—D. Hughes—Quartz Crushing.



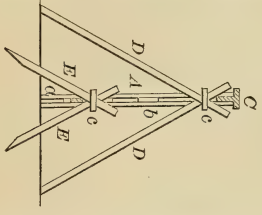
52713—W. G. Hernance—Farm Gate.



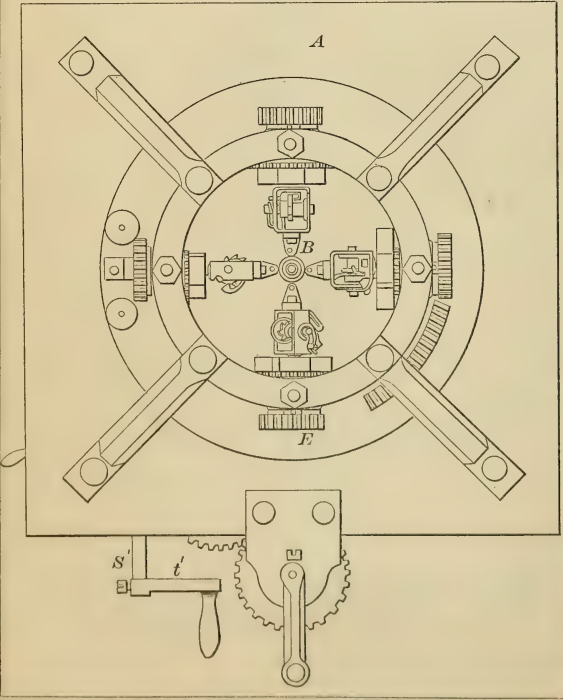
52712—W. H. Hartman—Molasses Faucet.



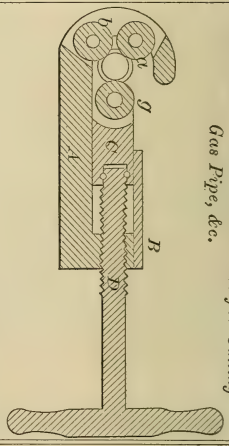
52717—C. B. Hunting—Fence.



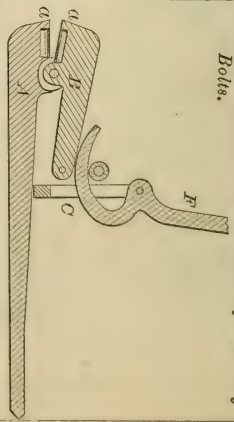
52718—L. Hull—Weaving Coverings for Whip Handles.



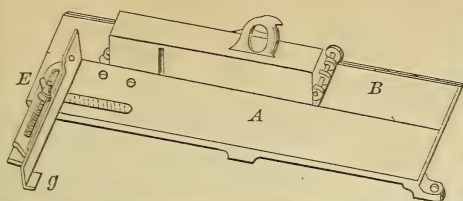
52715—W. S. Howarth—Tool for Cutting Gas Pipe, &c.



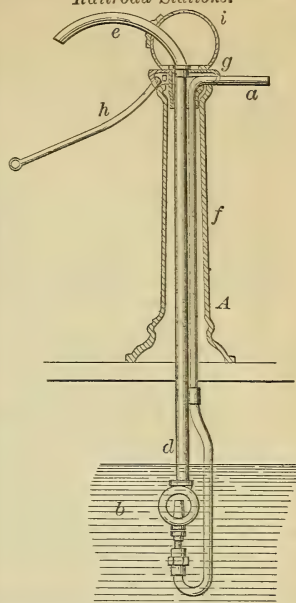
52714—D. H. Hickok—Shears for Cutting Bolts.



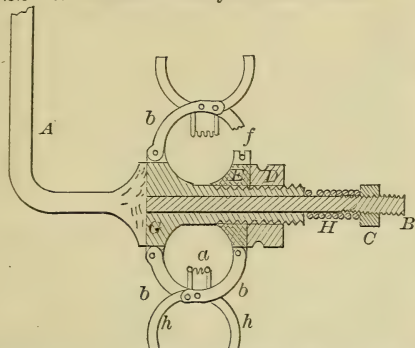
52719—J. Jones—Carpenter's Shooting Board.



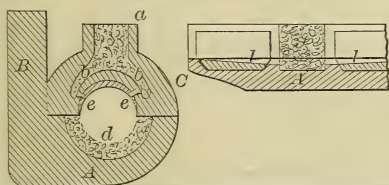
52721—H. S. Lansdell—Pump for Railroad Stations.



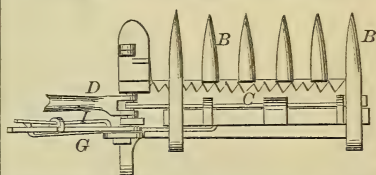
52722—S. D. Locke—Reel for Grain Binder.



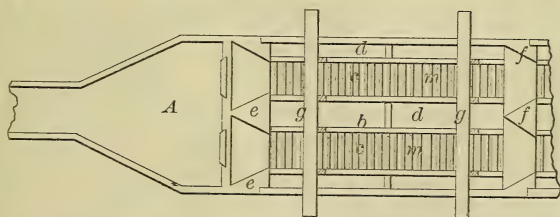
52720—E. F. Light—Journal Box.



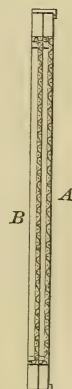
52724—A. Lowmiller—Harvester.



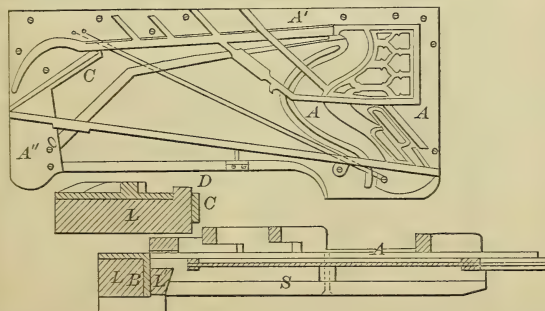
52723—H. Logan—Sluice for Quartz Mills.



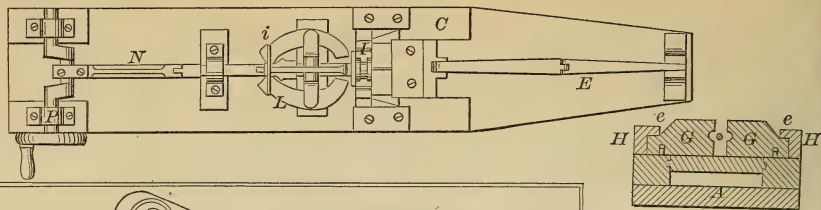
52726—A. B. Magoun—Window Screen.



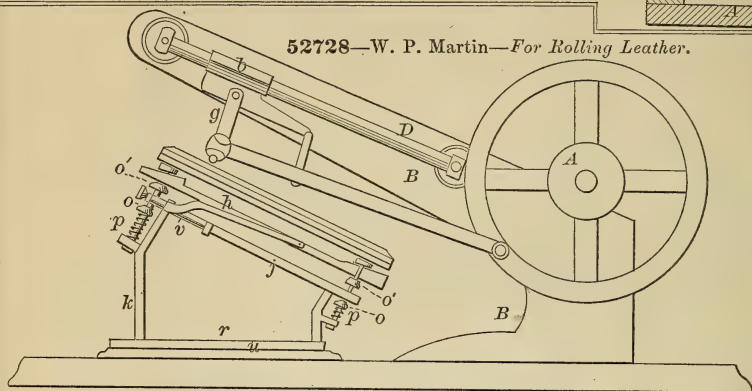
52725—A. Ludolf—Iron Frame for Piano Forte.



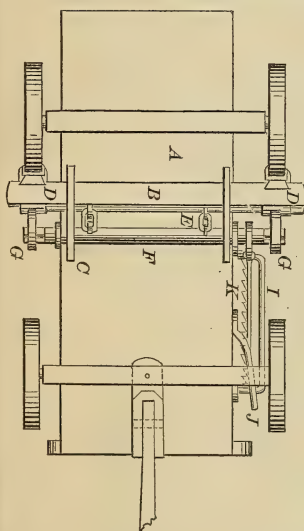
52727—M. D. Marey—Bolt Heading Machine.



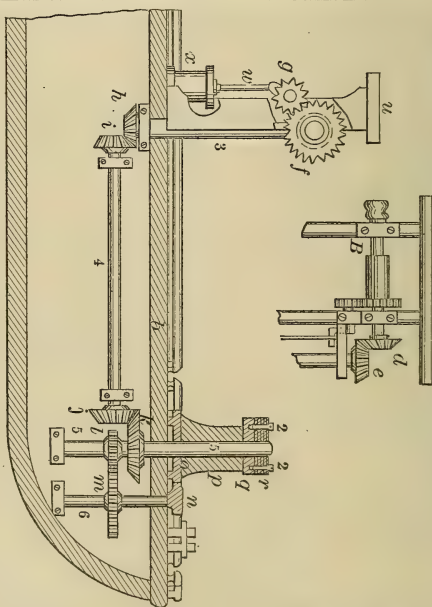
52728—W. P. Martin—For Rolling Leather.



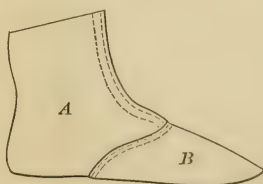
52731—J. McQuoad—Wagon Brake.



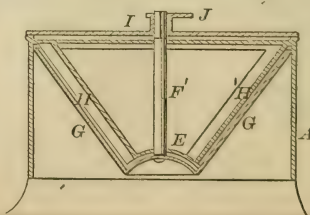
52730—J. S. McMillin—Working Capstan by Steam.



52732—F. Merkle—Shoe.

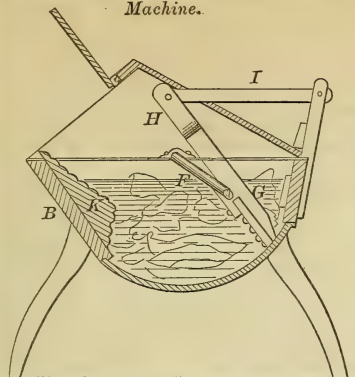


52729—W. C. McGill—Flour Sifter.





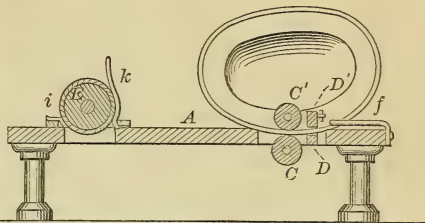
52733—J. M. Meschutt—*Washing Machine.*



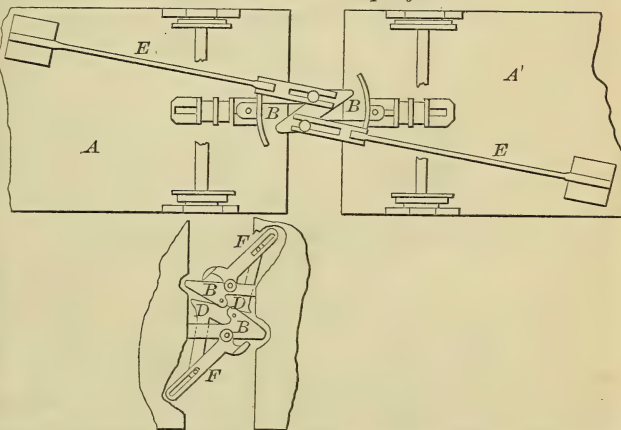
52737—I. Newhall—*Inner Sole.*



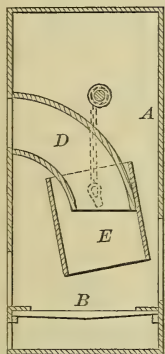
52739—E. Nougaret—*For Pouncing Hats.*



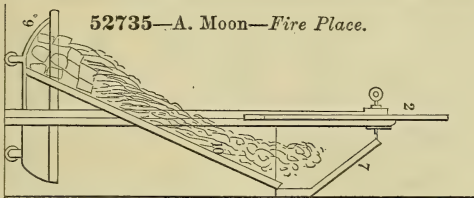
52736—Newell & Simmerman—*Car Coupling.*



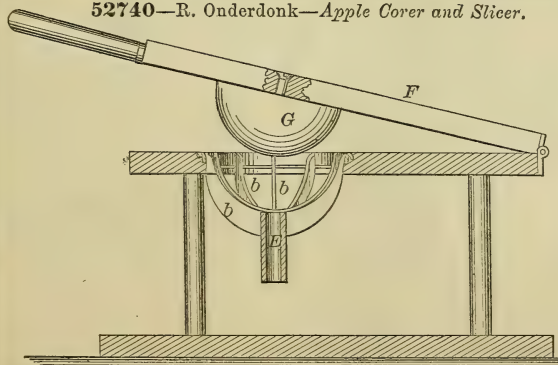
52738—S. W. Norton—*Hot Air Furnace.*



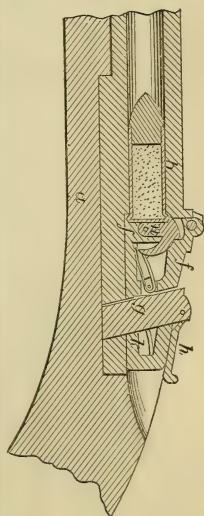
52735—A. Moon—*Fire Place.*

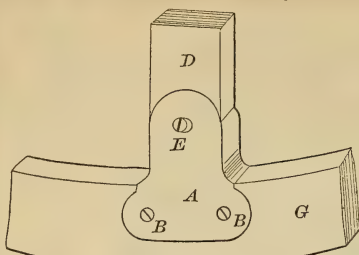
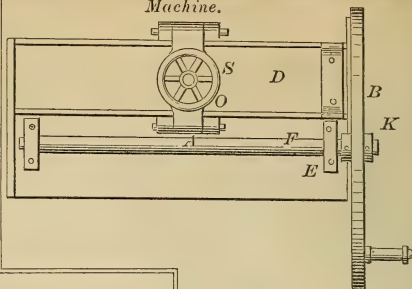
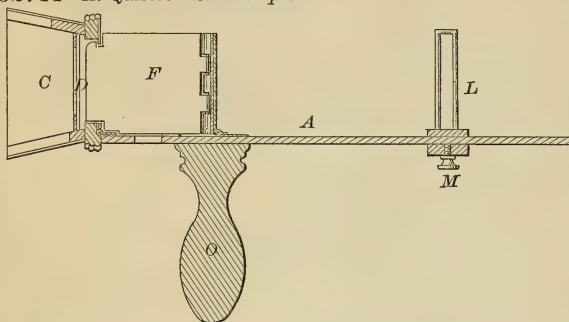
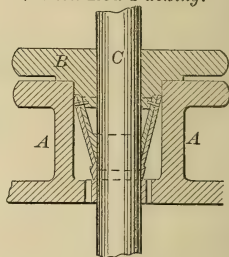
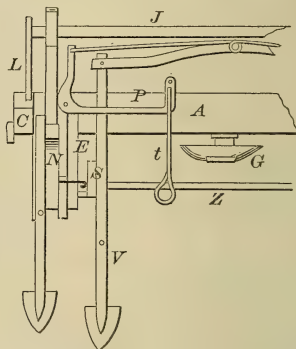
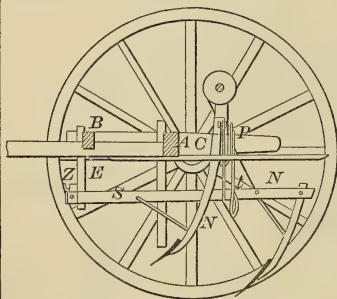
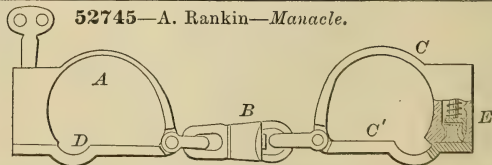
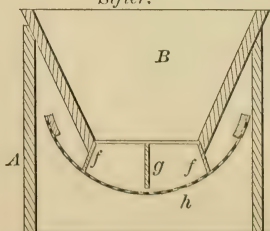
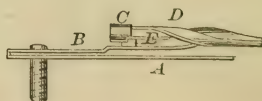
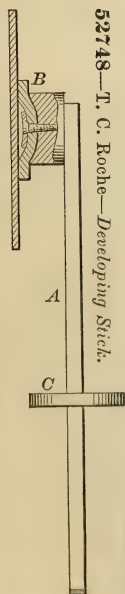


52740—R. Onderdonk—*Apple Corer and Slicer.*

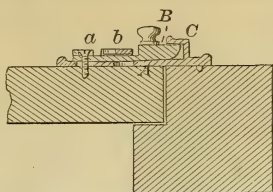


52734—I. M. Milbank—*Breech-Loading Fire Arm.*

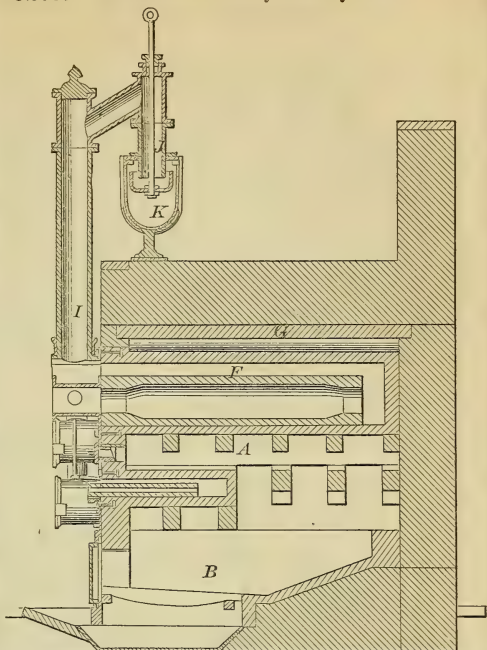


52741—W. Pinkerman—*Rocker for Chairs.*52747—F. W. Ritterhoff—*Tobacco Cutting Machine.*52744—A. Quirolo—*Stereoscope.*52742—G. S. Prindle—*Piston Rod Packing.*52743—Prugh & Beard—*Cultivator.*52745—A. Rankin—*Manacle.*52746—H. F. Read—*Flour Sifter.*52749—I. M. Rose—*Uniting Edges of Cloth, &c.*52748—T. C. Roche—*Developing Stick.*

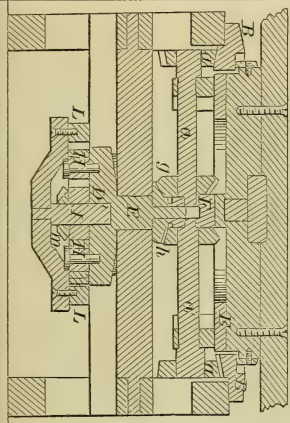
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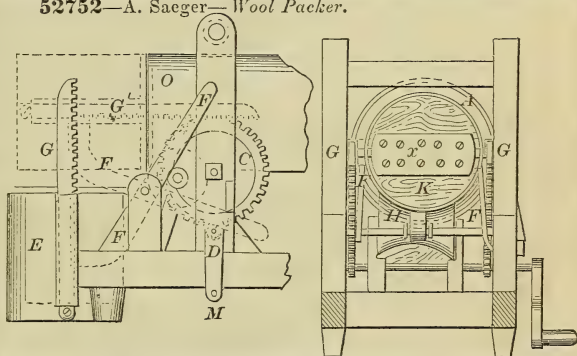
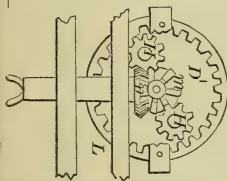
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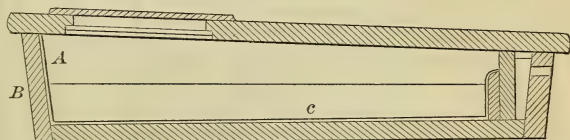
52753—Sanor & Stoffer—Horse Power.



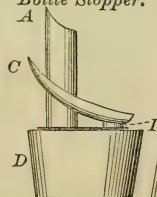
52752—A. Saeger—Wool Packer.



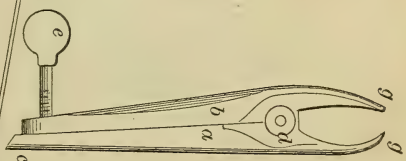
52756—G. W. Scollay—Burial Case.



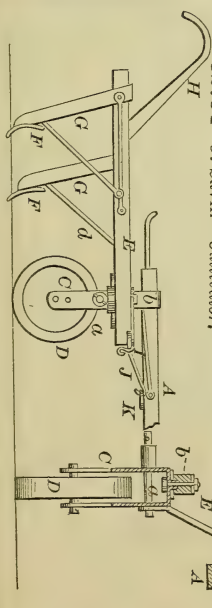
52755—A. Scarlett—Bottle Stopper.



52757—W. H. Seymour—Clamp for Stages.

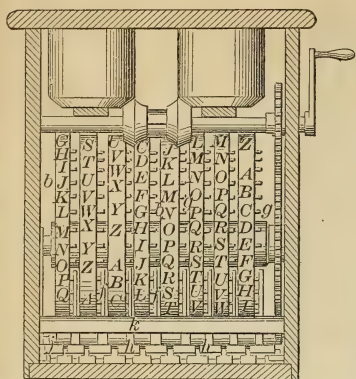


52754—J. Savill—Cultivator.

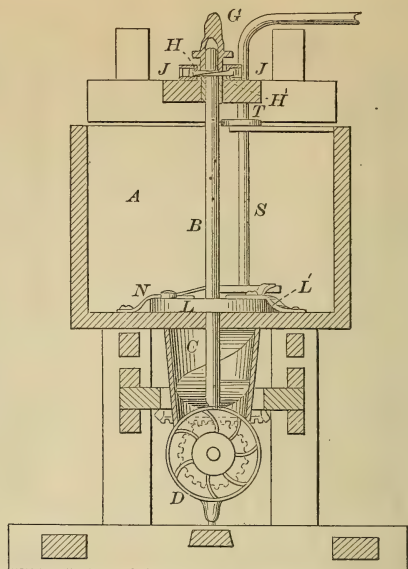




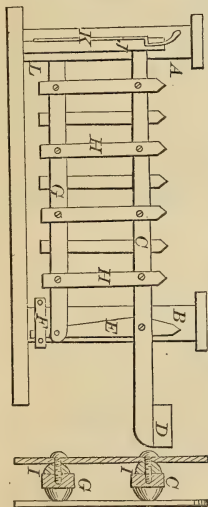
52758—H. Skinner—*For Teaching Spelling.*



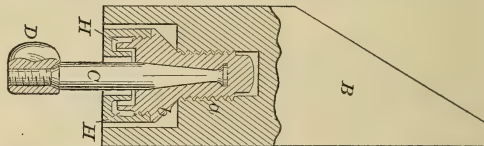
52762—H. Soggs—*Water Wheel.*



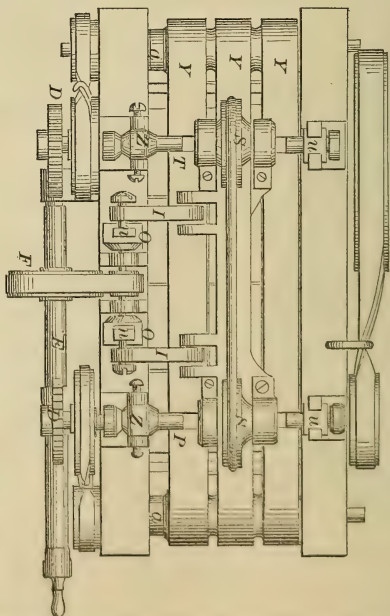
52759—Smith & Hudson—*Turn Gate.*



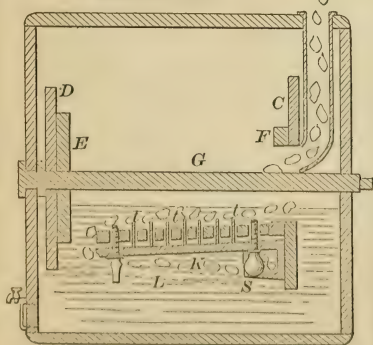
52761—W. W. Smith—*Telegraph Insulator.*



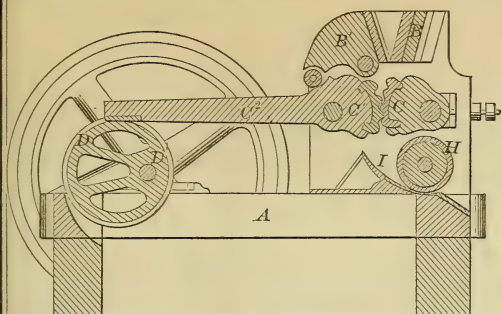
52763—N. H. Spafford—*For Separating Bristles.*



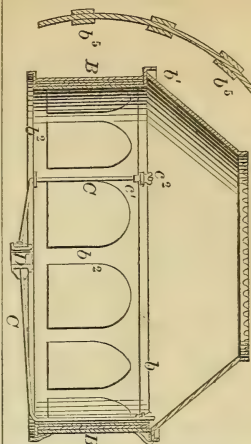
52764—V. Squarza—*For Extracting Essential Oils.*



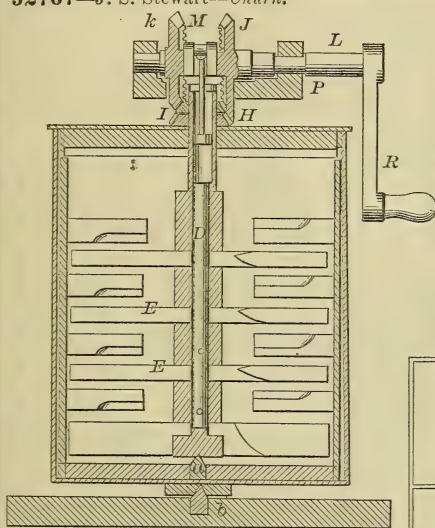
52765—C. W. Stafford—Quartz Crusher.



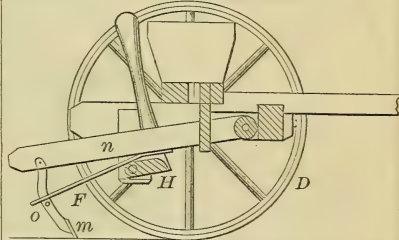
52768—M. Stewart—Lumpy Shade.



52767—J. S. Stewart—Churn.



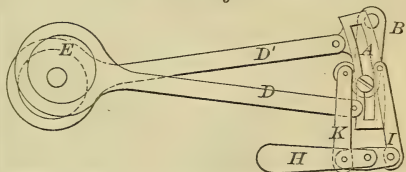
52770—D. C. Teller—Cultivator.



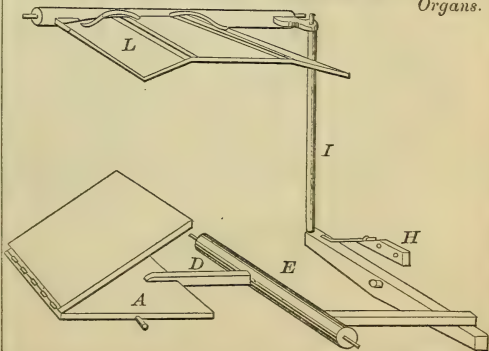
52769—F. R. Stockton—Graver.



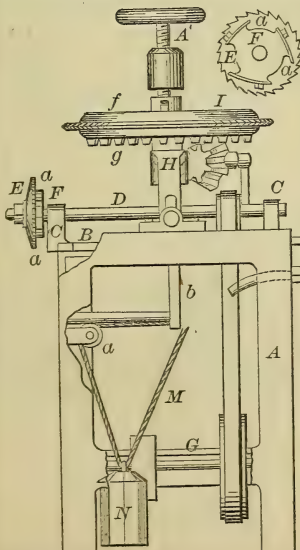
52766—N. P. Stevens—Link Motion for Steam Engines



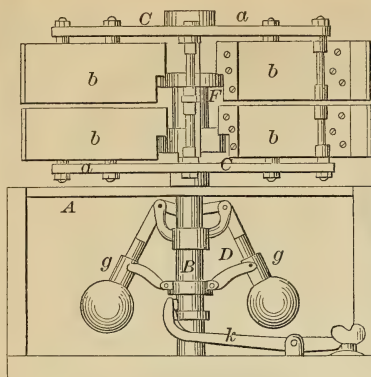
52771—A. E. Thompson—Operating the Swell of Organs.



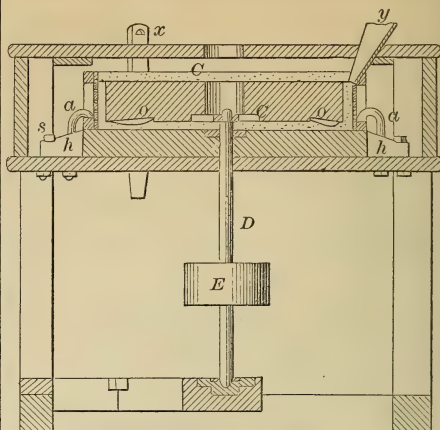
52772—J. S. Thompson—Bagel Head Machine.



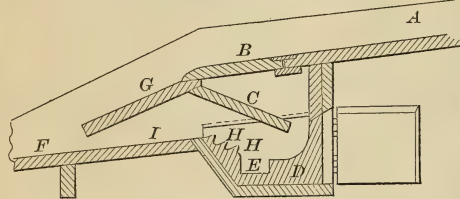
52773—H. C. Thrall—Wind Wheel.



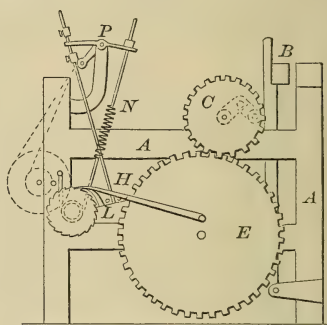
52774—R. W. Van Peyma—Grain Huller.



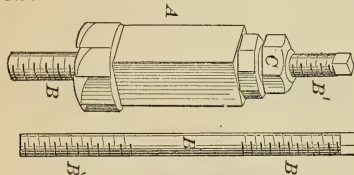
52775—R. E. Washburne—Sluice Box.



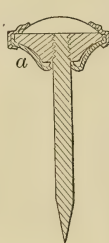
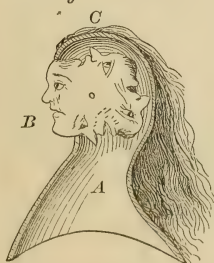
52780—E. Wright—Let-off for Looms.



52776—A. Williams—Countersink.

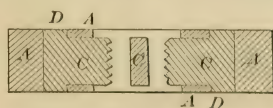


52782—D. Checkeni—Fancy Doll.

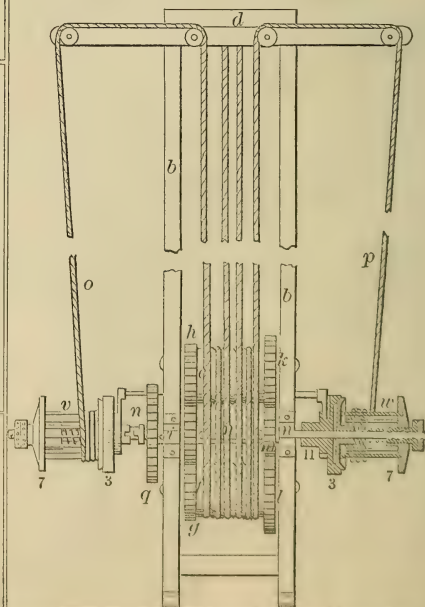


52781—H. P. Brooks—Picture Nail.

52783—C. G. Cross—Screw Cutting Die.

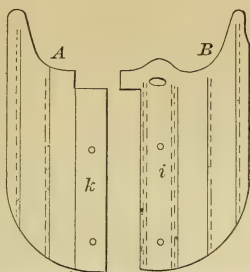


52777—D. D. Winant—Derrick.

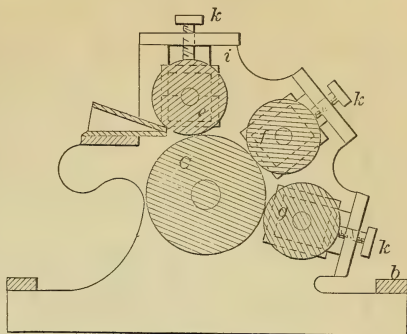




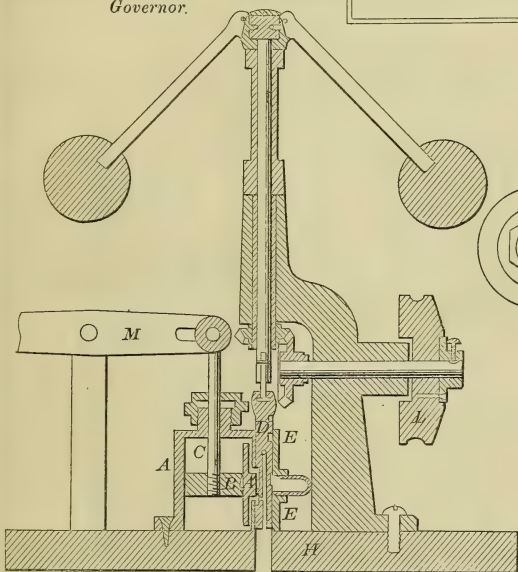
52784—T. A. Curtis—*Paper Shirt Bosom.*



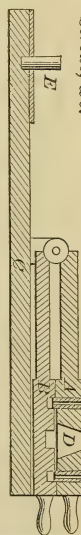
52785—J. H. Darlington—*Pressing Paper Collars.*



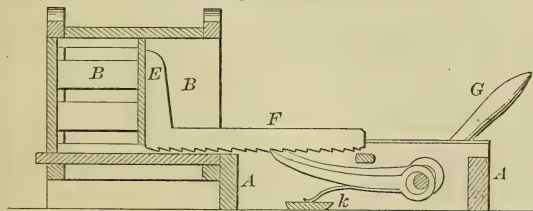
52789—A. Lawrence—*Steam Engine Governor.*



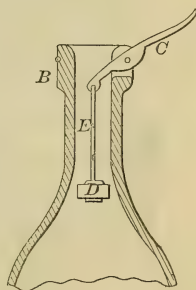
52790—D. McArthur—*Mould for Casting Heads upon Screws, &c.*



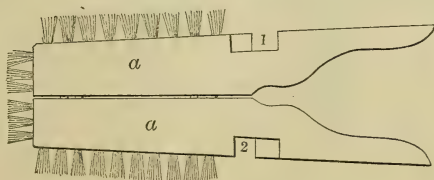
52786—Day & Noel—*Hay and Cotton Press.*



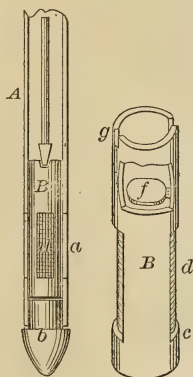
52791—E. Morris, Jr.—*Bottle Stopper.*



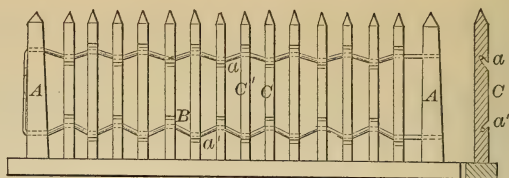
52787—S. Gissinger—*Blacking Brush and Boot Jack.*



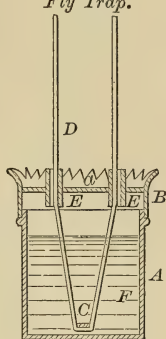
**52792**—R. F. Osgood—  
*Sinking Well Tubing.*



**52795**—R. Prouty—*Fence.*



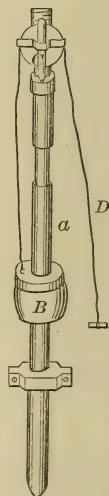
**52794**—N. Pike—  
*Fly Trap.*



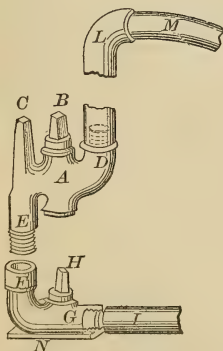
**52793**—H. D. Parker—*Pipe Coupling.*



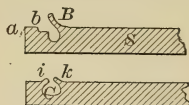
**52799**—W. W. Winter—*For Driving Wood into the Ground.*



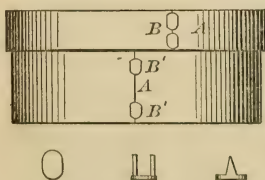
**52797**—E. Stocker—  
*Hydrant.*



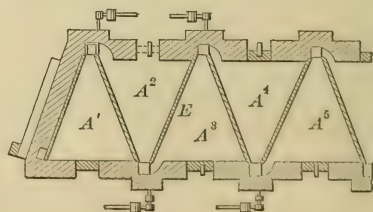
**52798**—Trask & Johnson—  
*Boots and Shoes.*



**52800**—G. F. Wright—*Fastening  
for Paper Boxes.*



**52801**—T. M. Gisborne—*Brick Machine.*



52802—Southall & Heap—Machine for Making Boots and Shoes.

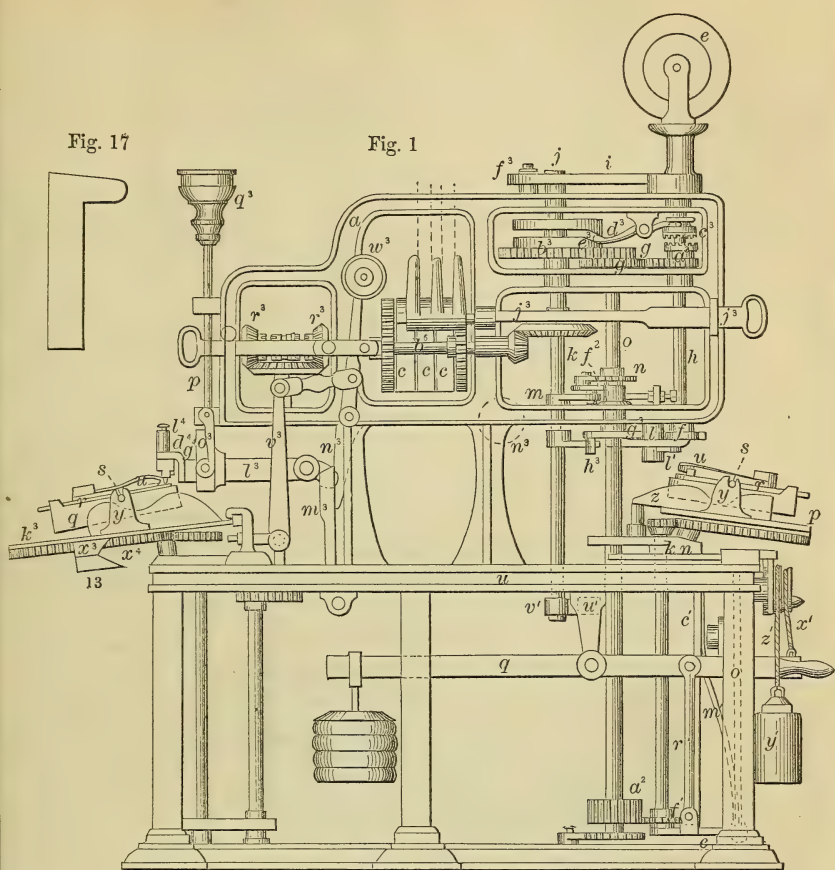


Fig. 17

Fig. 1



13

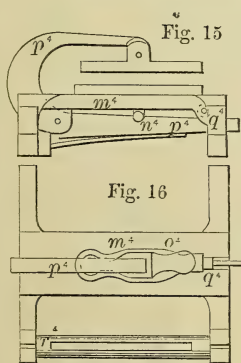


Fig. 15

Fig. 16

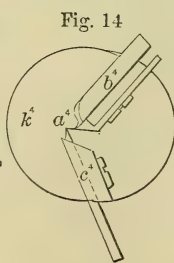


Fig. 14

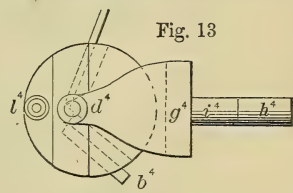


Fig. 18

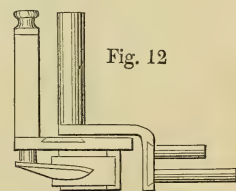
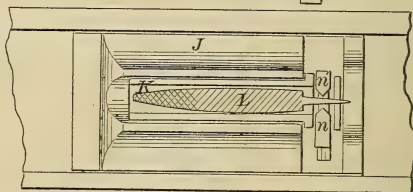
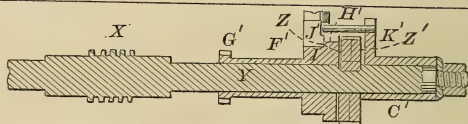
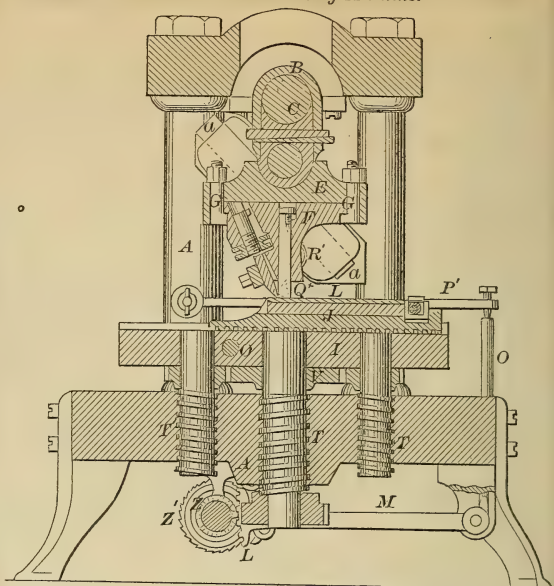


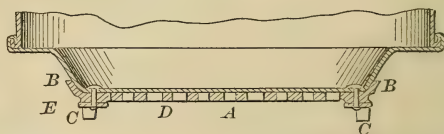
Fig. 12



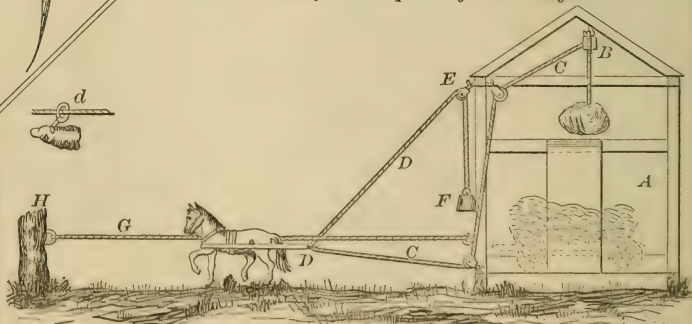
52804—J. C. Cooke—File Cutting Machine.



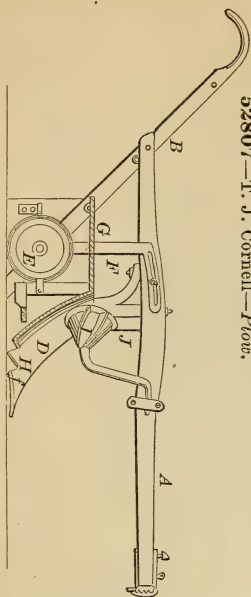
52806—A. O'Neill—Guard Plate for Boilers.



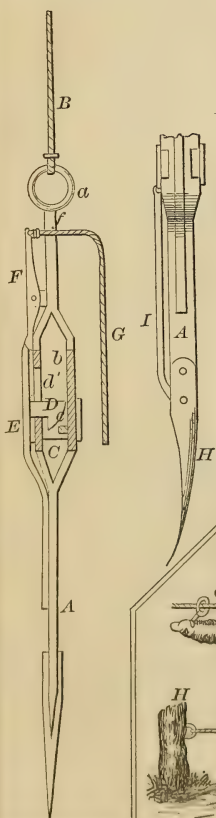
52808—H. Maycock—Operating Horse Hay Forks.



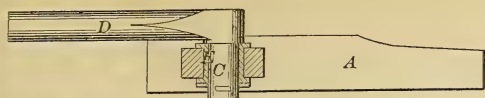
52807—T. J. Cornell—Plow.



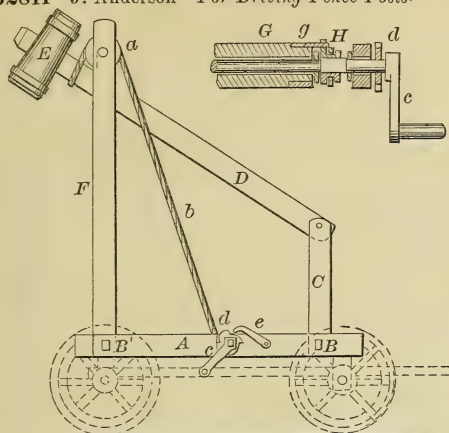
52805—E. F. Hiser—Horse Hay Fork.



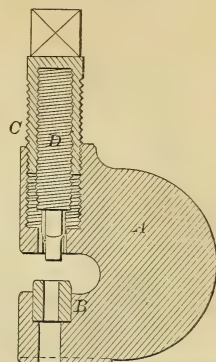
52809—A. S. Acker—*Harvester.*



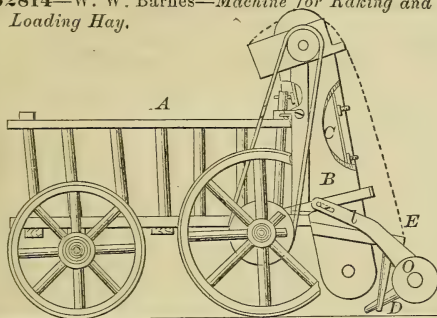
52811—J. Anderson—*For Driving Fence Posts.*



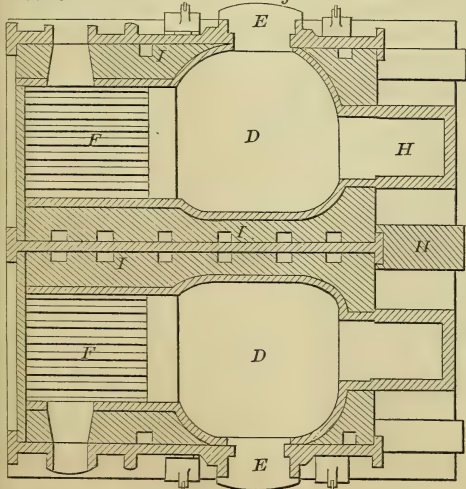
52810—J. F. Allen—*Apparatus for Punching.*



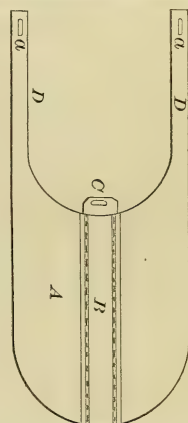
52814—W. W. Barnes—*Machine for Raking and Loading Hay.*



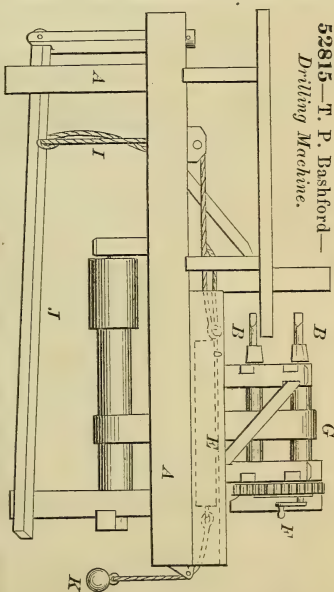
52813—C. D. Baker—*Puddling Furnace.*



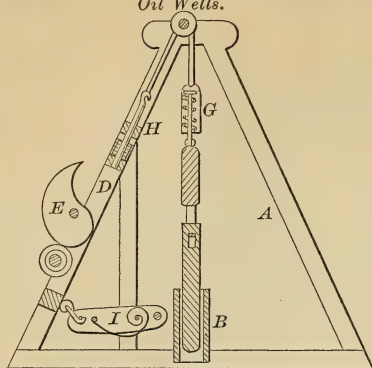
52812—J. C. Arms—*Paper Shirt Bosom.*



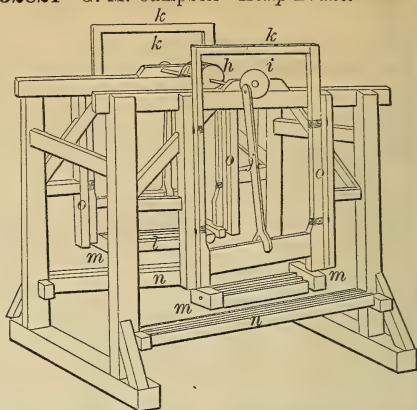
52815—T. P. Bashford—*Drilling Machine.*



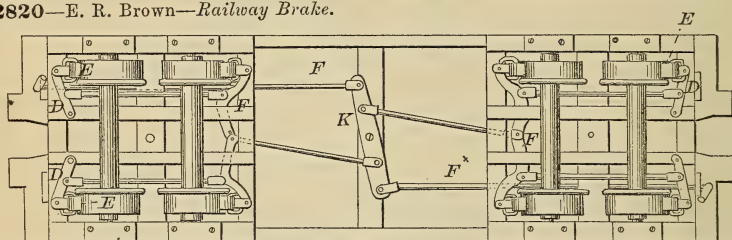
52816—Bateman &amp; Cumming—Drill for Oil Wells.



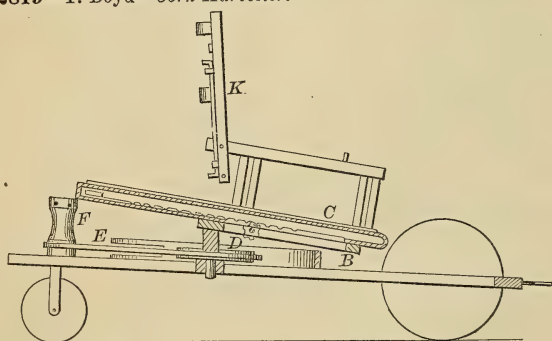
52821—G. M. Campbell—Hemp Brake.



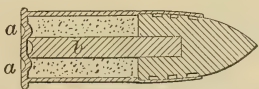
52820—E. R. Brown—Railway Brake.



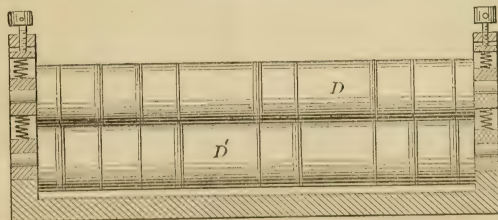
52819—T. Boyd—Corn Harvester.



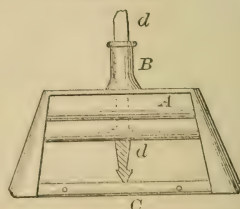
52818—H. Berdan—Metallic Cartridge.



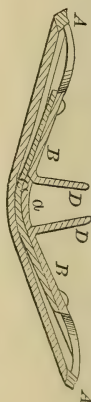
52817—H. Beebe—Apparatus for Folding Linen Bosoms.



52823—N. B. Cooper—Broom Head.

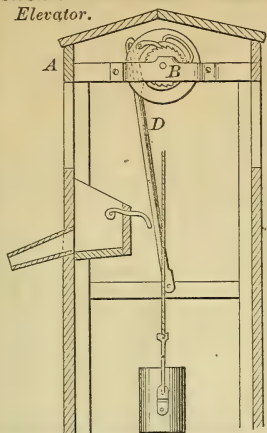


52822—H. H. Cole—Chap for Looping Ladies' Dresses.

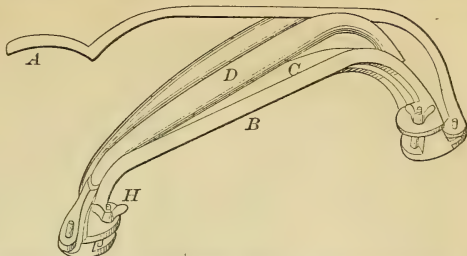




52824—J. E. Cronk—*Water Elevator.*



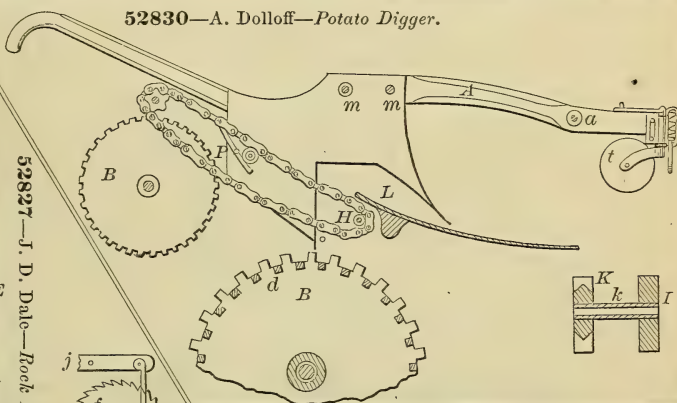
52826—F. Cunningham—*For Forming Horse Collars.*



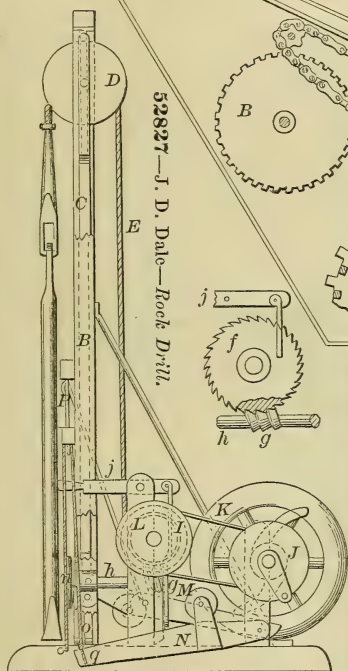
52831—E. C. Dow—*Boring Tool for Oil Wells.*



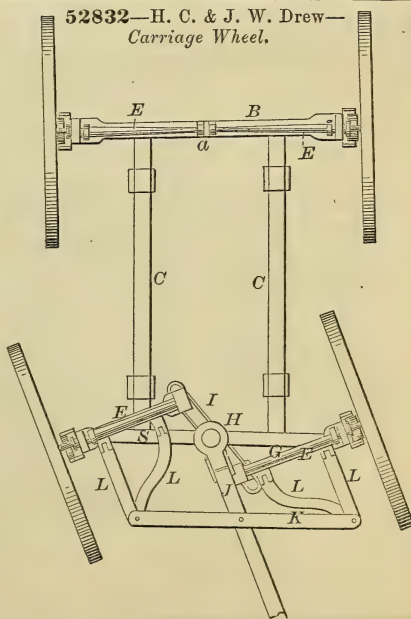
52830—A. Dolloff—*Potato Digger.*



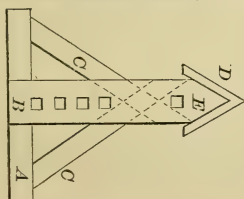
52827—J. D. Dale—*Rock Drill.*



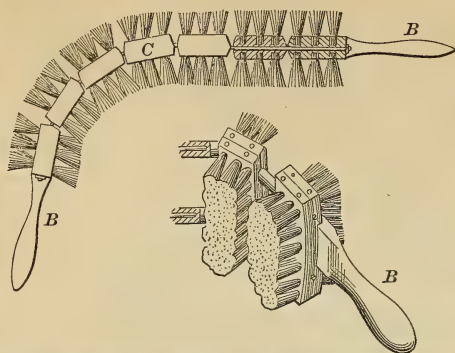
52832—H. C. & J. W. Drew—*Carriage Wheel.*



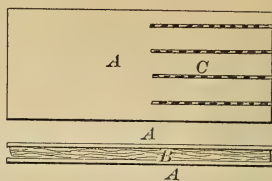
52828—M. Dickle—*Fence.*



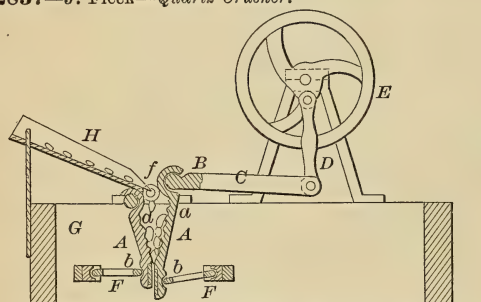
52833—R. N. Eagle—Flexible Brush.



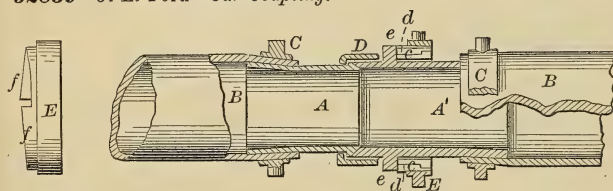
52835—J. F. Fales—Carpet Lining.



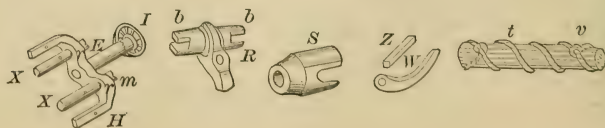
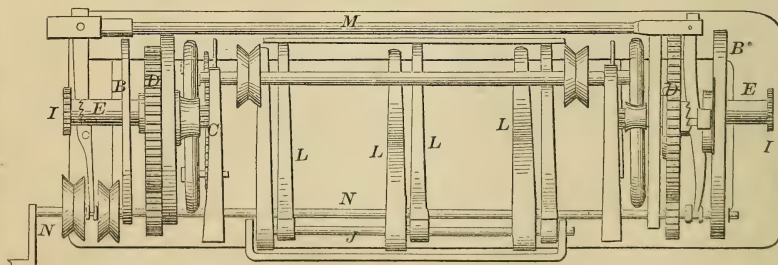
52837—J. Fleck—Quartz Crusher.



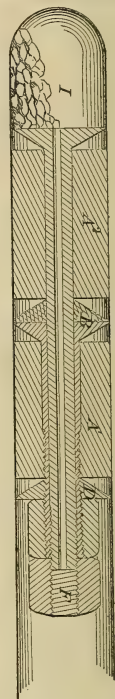
52839—J. E. Ford—Car Coupling.



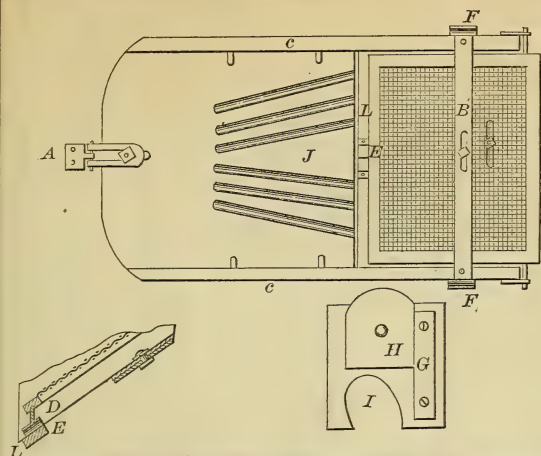
52838—E. T. Ford—For Pressing Straw.



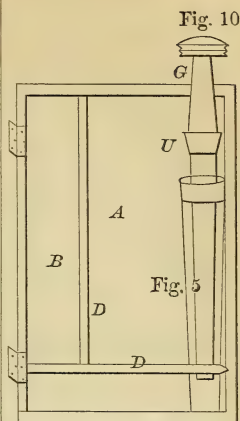
52836—G. H. Felt—Plug for Blasting.



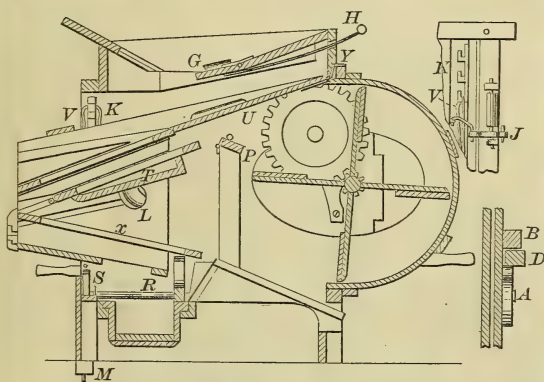
52840—J. W. Free—*Fanning Mill.*



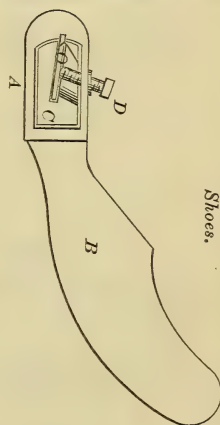
52842—N. T. & S. B. Gassette—*Cigarette Mould and Box.*



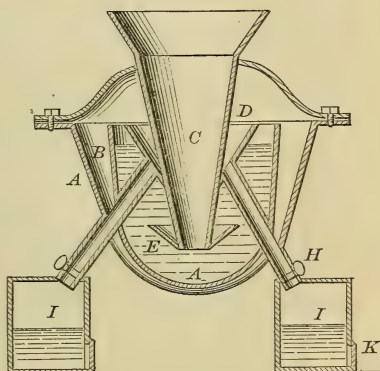
52841—J. W. Free—*Grain Separator.*



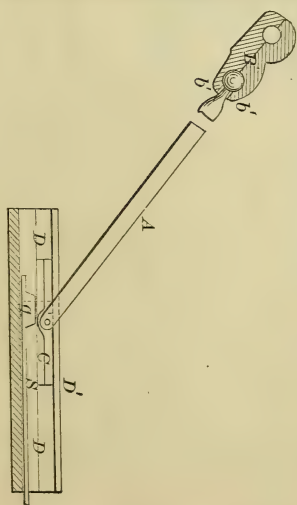
52845—J. C. Grün—*Edge Plane for Boots and Shoes.*



52846—E. Hamilton—*Amalgamator.*

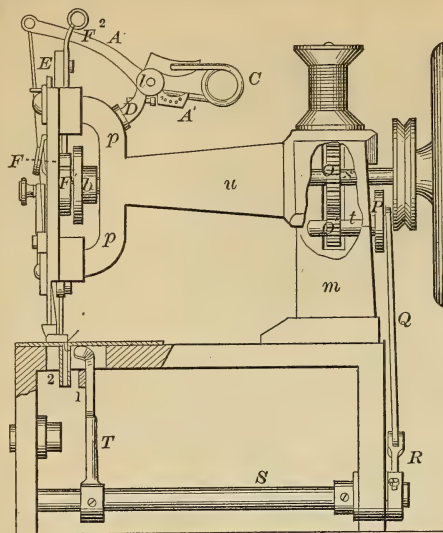


52843—D. D. Gitt—*Harvester.*

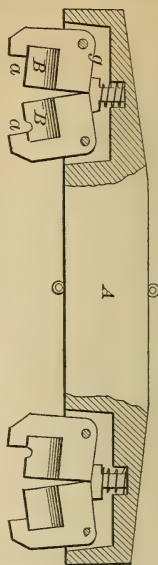




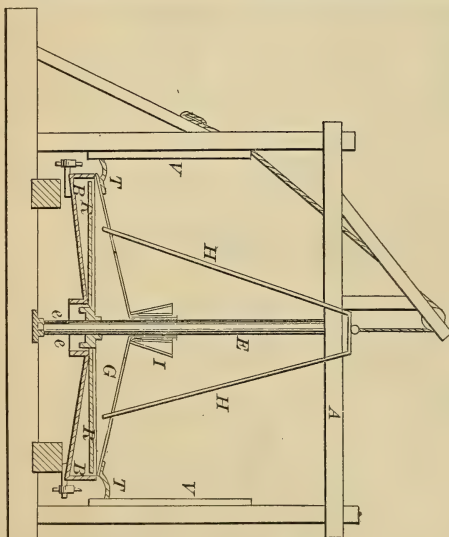
52847—J. Hanlon—Sewing Machine.



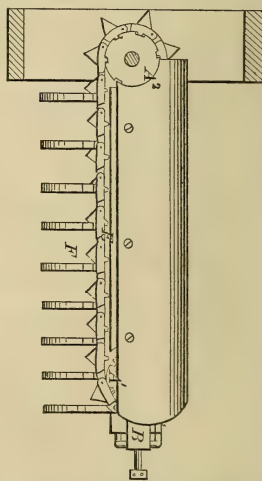
52848—O. J. Hardgrove—Car Brake.



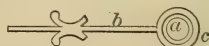
52850—J. Hendy—Gold and Silver Washing.



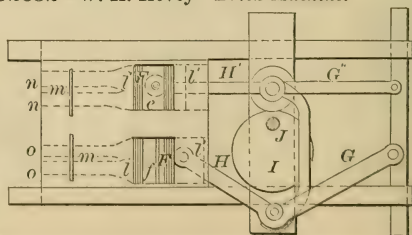
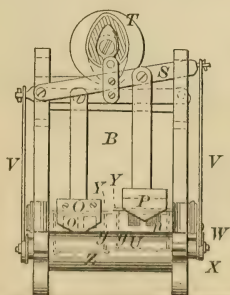
52851—B. Hess—Hornvester.



52849—G. Hastings—Watch Hand.



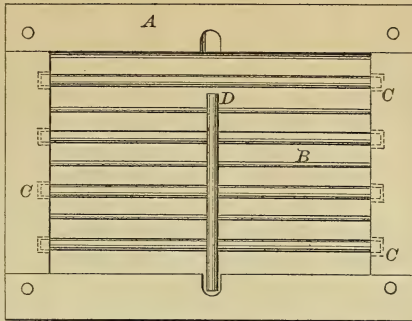
52852—W. H. Hovey—Brick Machine.



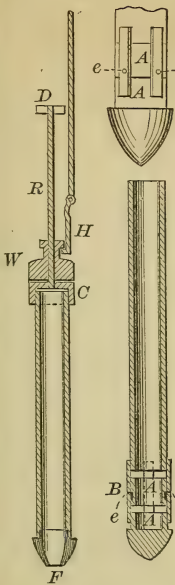
52859—J. S. Kingstand—*Car Wheel.*



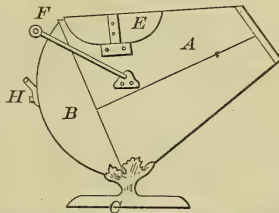
52854—E. B. Hungerford—*Window Blind.*



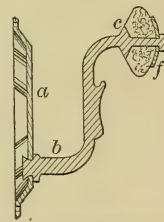
52853—B. J. C. Howe—*Sinking Wells.*



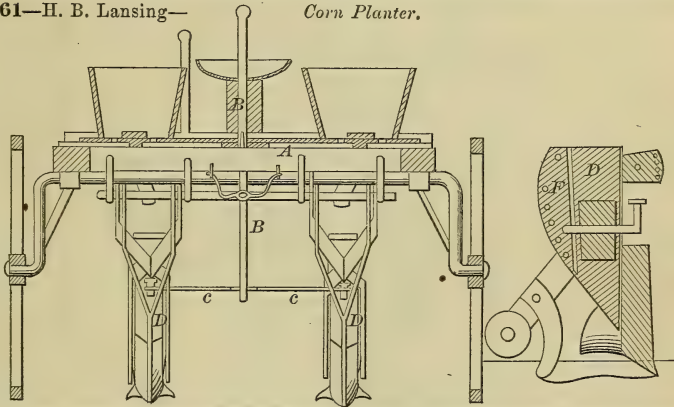
52856—E. A. Jeffery—*Coal Hod.*



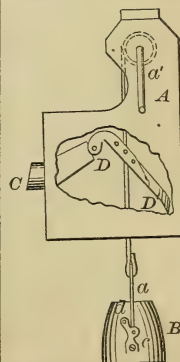
52857—A. D. Judd—*Tassel Hook.*



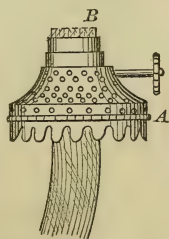
52861—H. B. Lansing—*Corn Planter.*



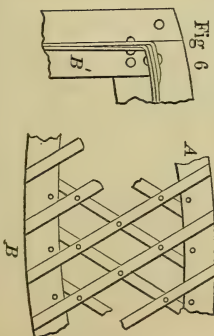
52858—L. King—*Water Drawer.*

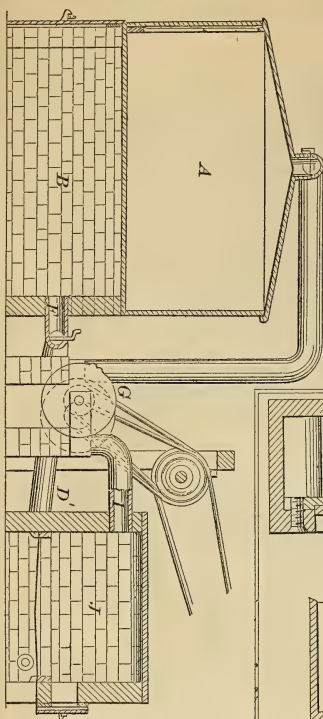
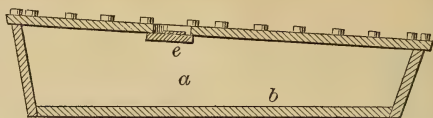
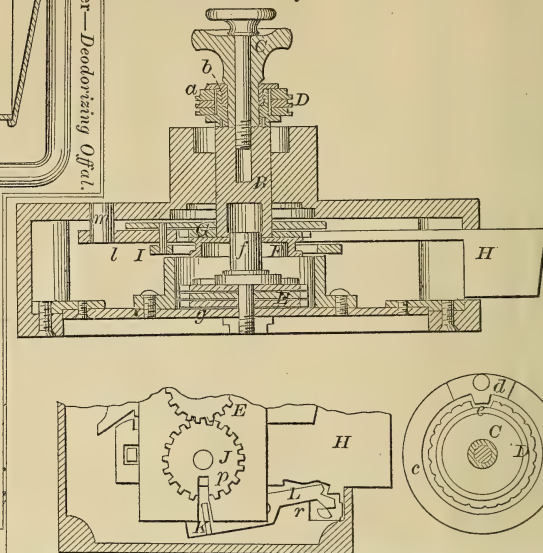
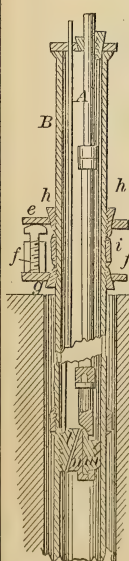
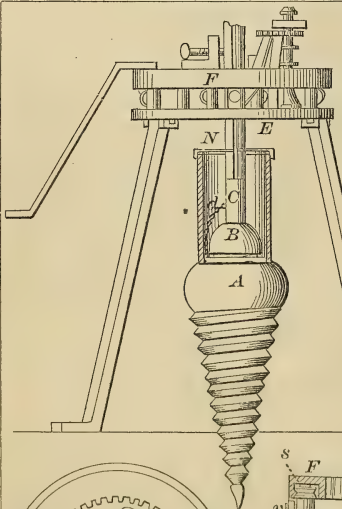
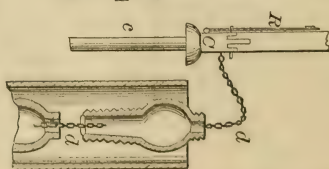
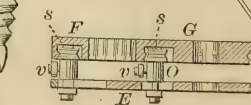
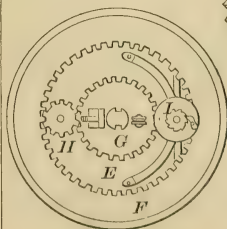
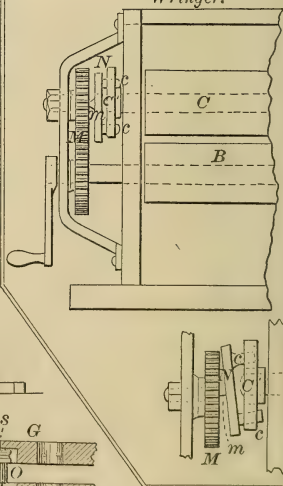


52862—Le Count & Chard—*Lamp Wick.*



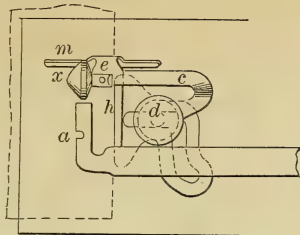
52860—M. Krenser—*Bridge.*



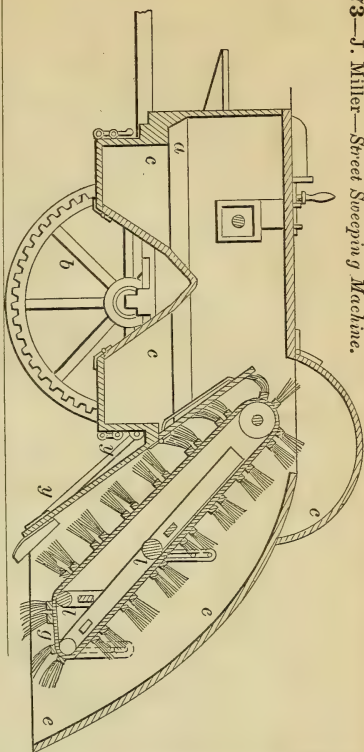
52863—A. & E. Lister—*Deodorizing Offal.*52865—Lovett, Wippich & Wood—*Burial Case.*52864—Loch & Bayer—*Lock.*52866—J. H. Luther—*Oil Well Tube Extractor.*52868—V. H. Lyon—*Device for Boring Wells.*52867—D. Lyman—*Clothes Wringer.*



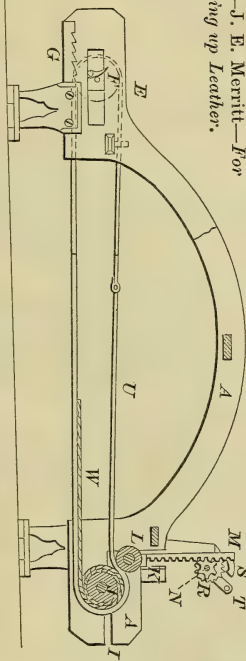
52870—J. S. McCurdy—*Guide for Sewing Machines.*



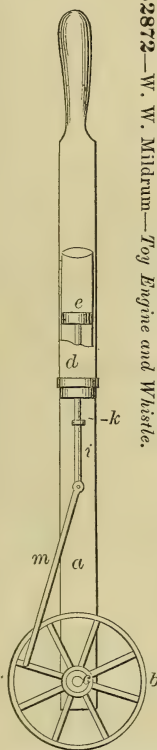
52873—J. Miller—*Street Sweeping Machine.*



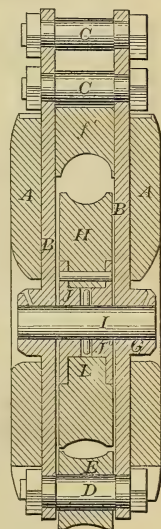
52871—J. E. Merritt—*For Rolling up Leather.*



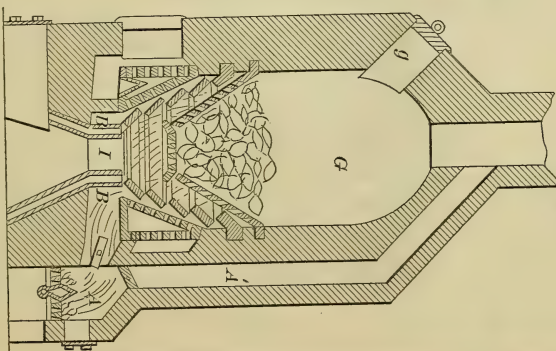
52872—W. W. Mildrum—*Toy Engine and Whistle.*



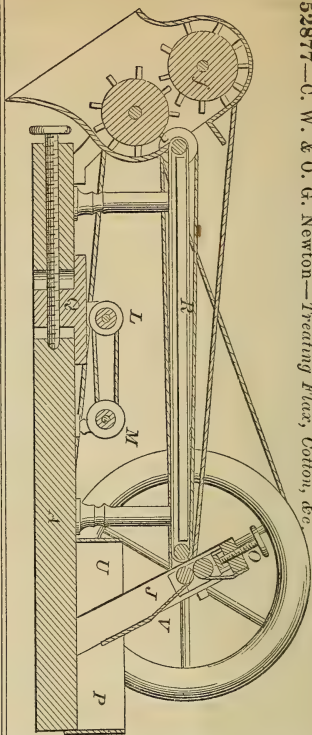
52874—G. Milsom—*Tackle Block.*



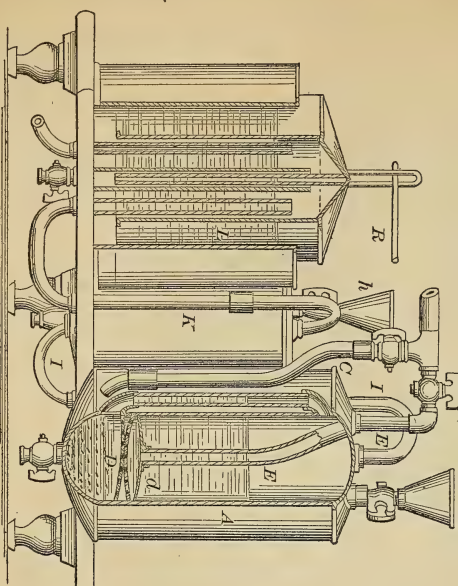
52875—D. Minthorn—*Desulphurizing and Disintegrating Ores.*



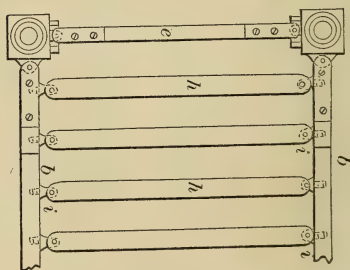
52877—C. W. &amp; O. G. Newton—Treating Flax, Cotton, &amp;c.



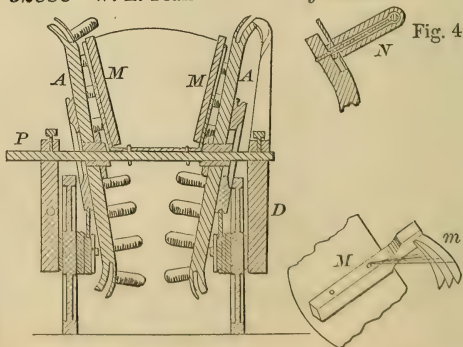
52876—H. B. Myer—For Charging Air with Hydro-Carbon.



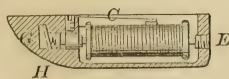
52879—C. Perley—Bedstead.



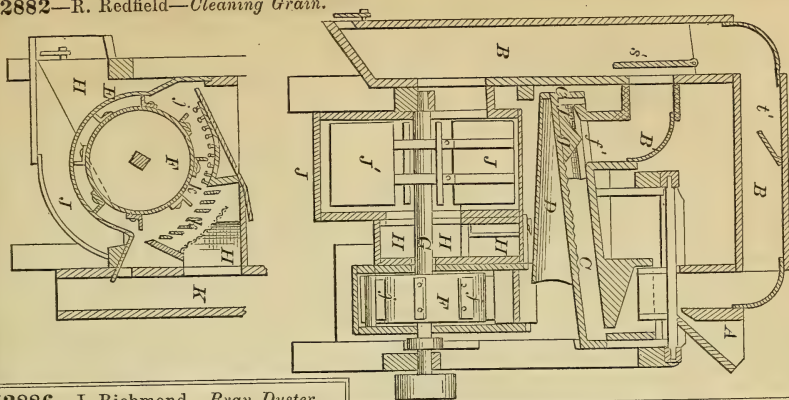
52880—W. E. Prall—For Picking Cotton.



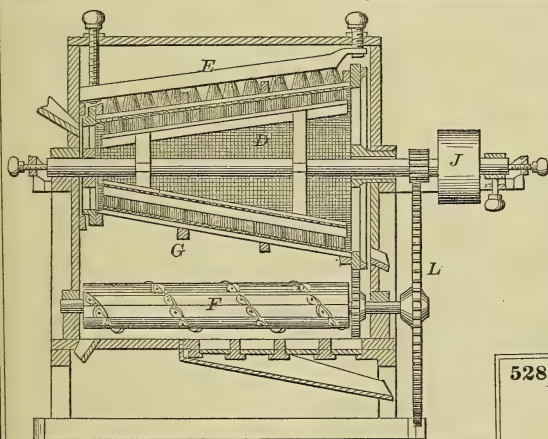
52881—Read &amp; Wyckoff—Sewing Machine Shuttle.



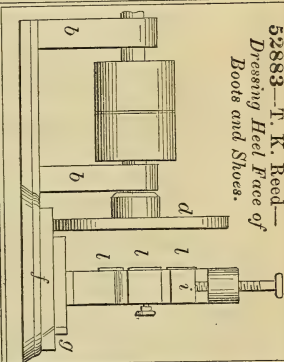
52882—R. Redfield—*Cleaning Grain.*



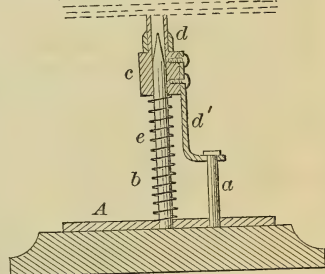
52886—J. Richmond—*Bran Duster.*



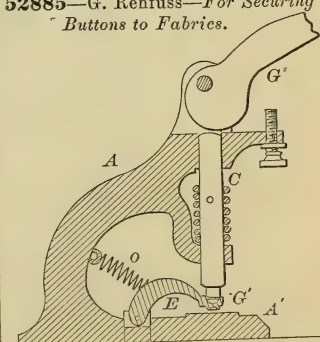
52883—T. K. Reed—*Dressing Heel Face of Boots and Shoes.*



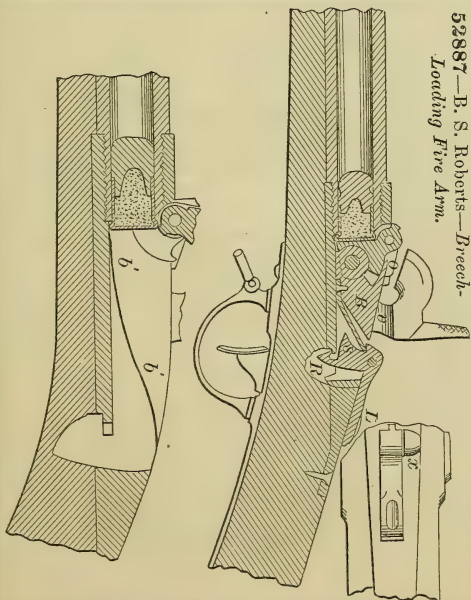
52884—G. Rehfsuss—*For Securing Buttons to Fabrics.*



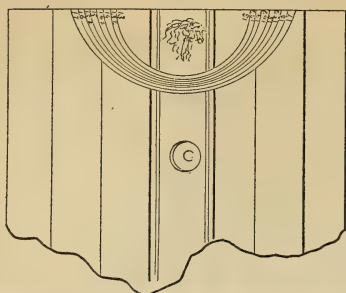
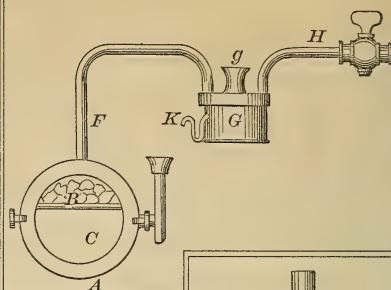
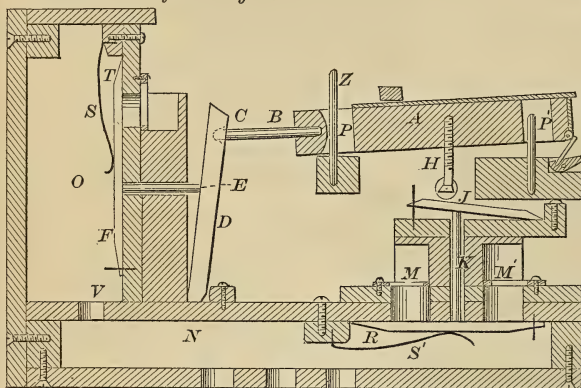
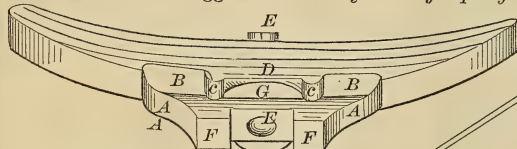
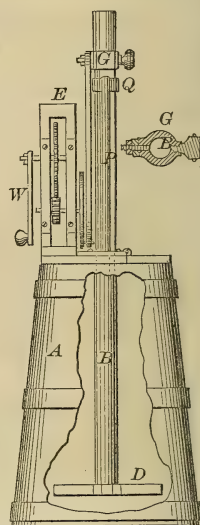
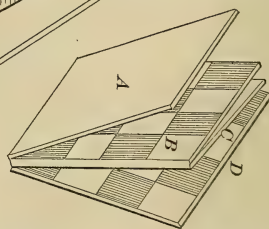
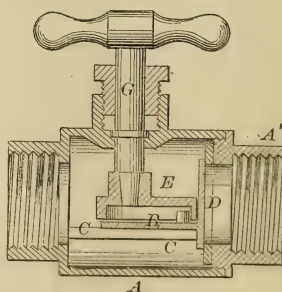
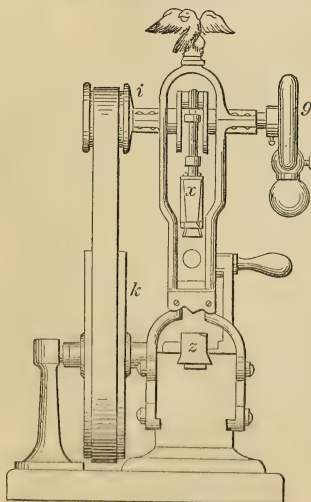
52885—G. Rehfsuss—*For Securing Buttons to Fabrics.*



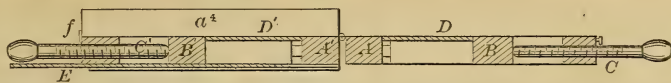
52887—R. S. Roberts—*Breech-Loading Fire Arm.*



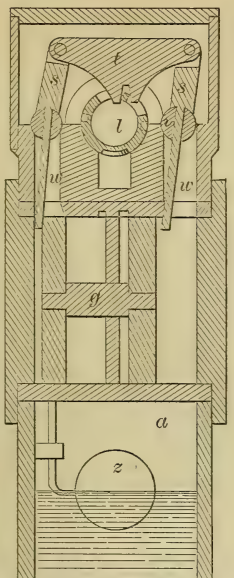


52888—M. Rosenthal—*Shirt Bosom Pattern.*52893—W. D. Seal—*Manufacture of Gas.*52892—D. Schuyler—*Organ.*52889—Rowell & Briggs—*For Holding Carriage Springs.*52890—L. J. Ryerson—*Churn.*52891—F. C. Schaefer—*Chess Board.*52895—Shedlock, Shedlock & Marshall  
*Stop Valve.*52894—T. Shaw—*Power Hammer.*

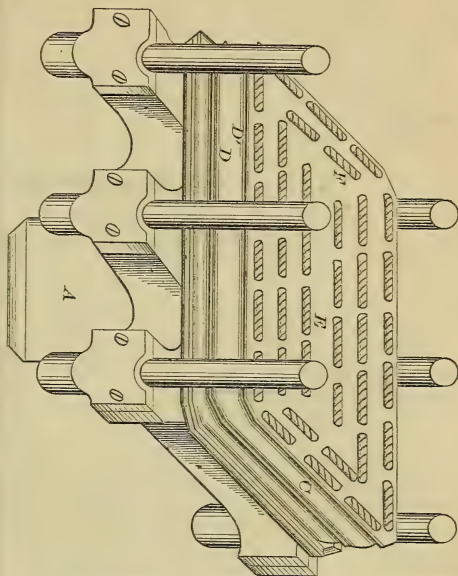
52896—D. Shive—Photographic Printing Frame.



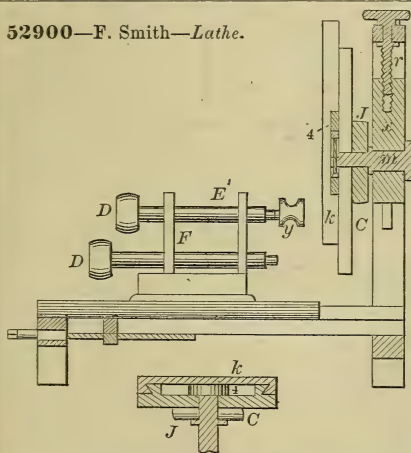
52898—T. J. Sloan—Automatic Boiler Feeder.



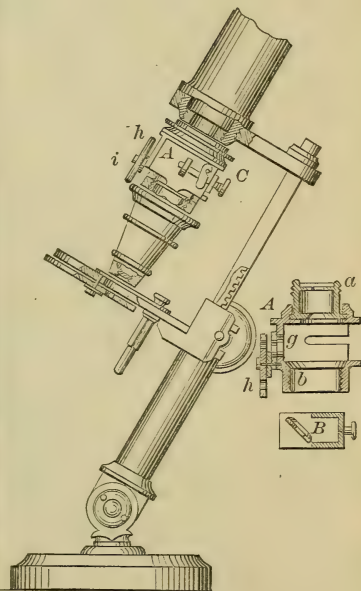
52899—A. Smith—Press Plate.



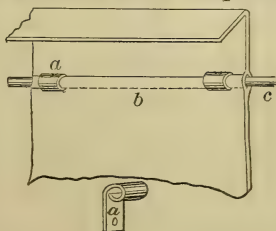
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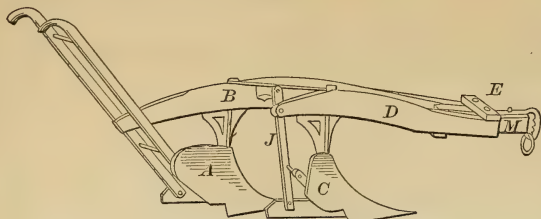
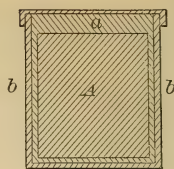
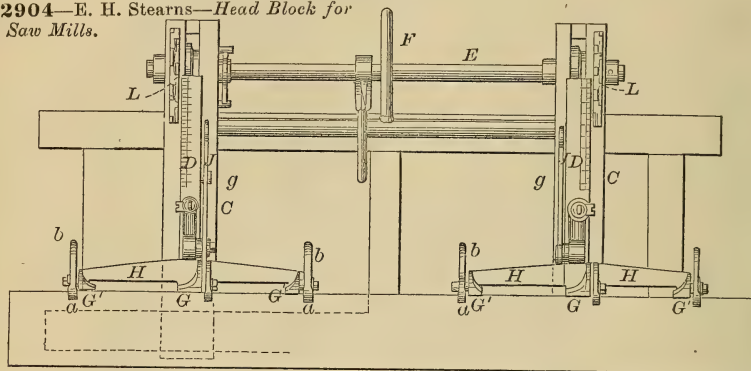
52901—H. L. Smith—Microscope.



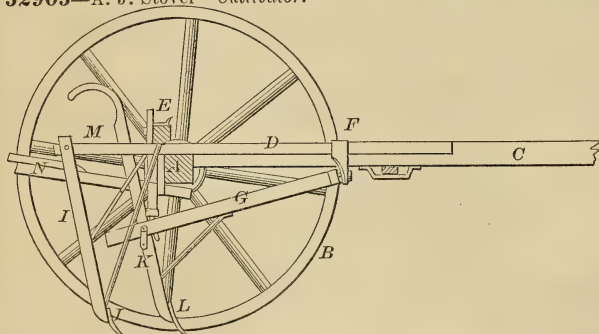
52902—Sonnekalb & Lieb—Carpet Bag.



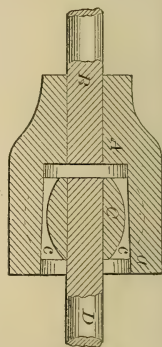
52903—T. A. Stansbury—Plow.

52910—T. C. Taylor—  
Putting up Caustic Alkali.52904—E. H. Stearns—Head Block for  
Saw Mills.

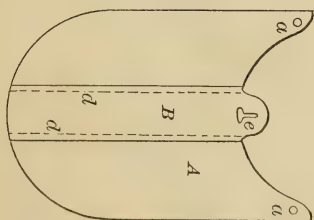
52905—A. J. Stover—Cultivator.



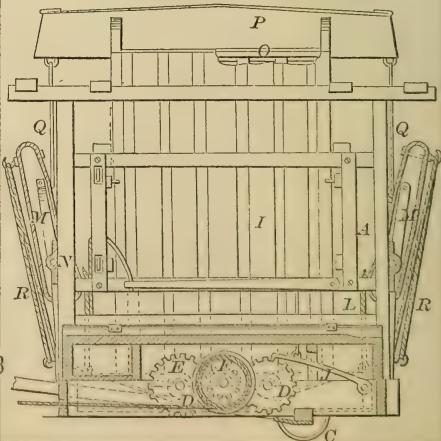
52908—S. N. Taylor—Knee Joint.



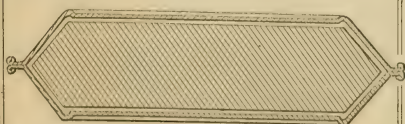
52907—C. C. Taylor—Paper Shirt Bosom.



52911—C. H. Thatford—Baking Press.

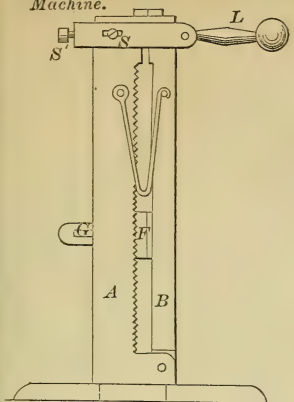


52909—T. C. Taylor—Air-tight Vessel.

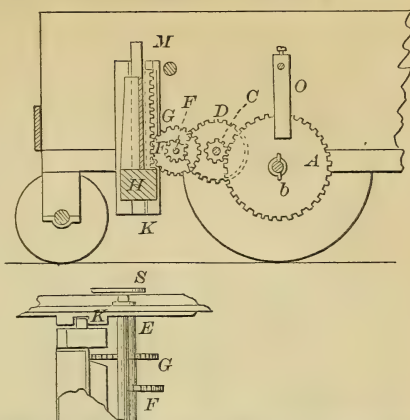




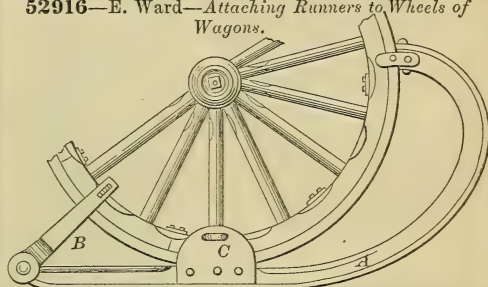
**52912**—A. Tucker—*Bolt Heading Machine.*



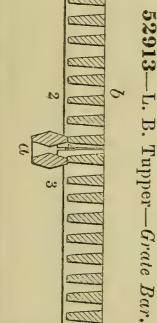
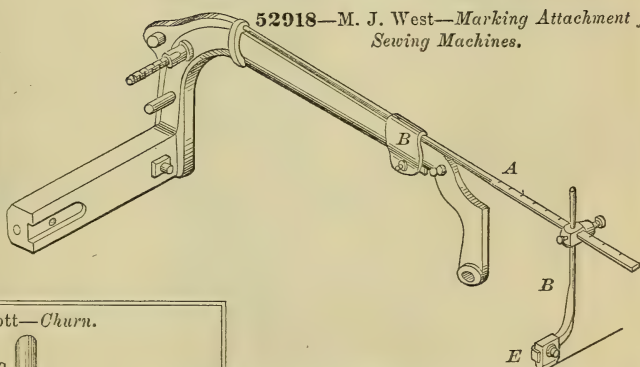
**52915**—L. Von Froben—*For Levelling Streets.*



**52916**—E. Ward—*Attaching Runners to Wheels of Wagons.*

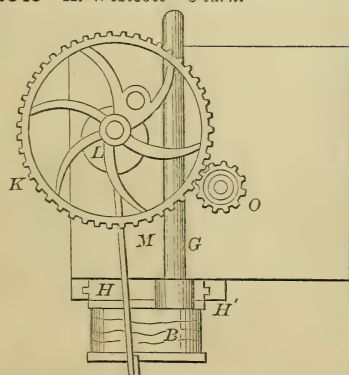


**52918**—M. J. West—*Marking Attachment for Sewing Machines.*

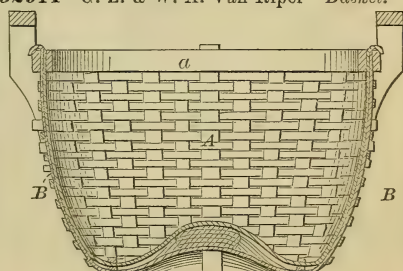


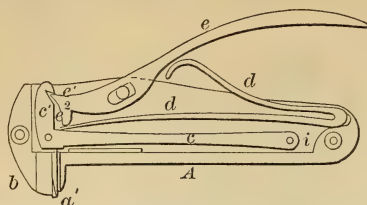
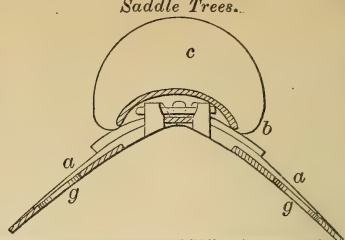
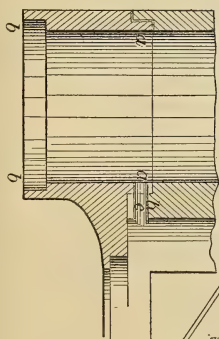
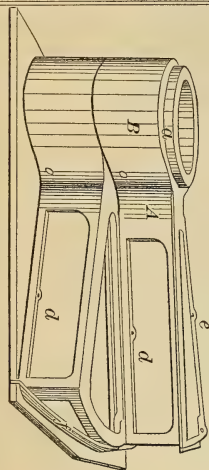
**52913**—L. B. Tupper—*Grate Bar.*

**52919**—A. Westcott—*Churn.*

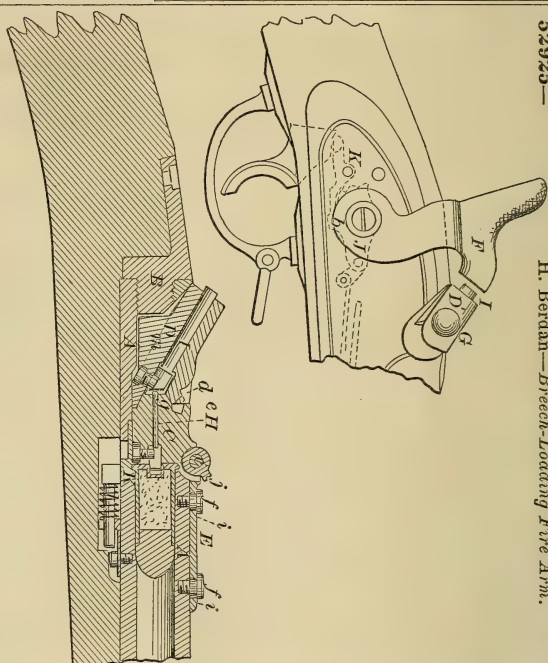
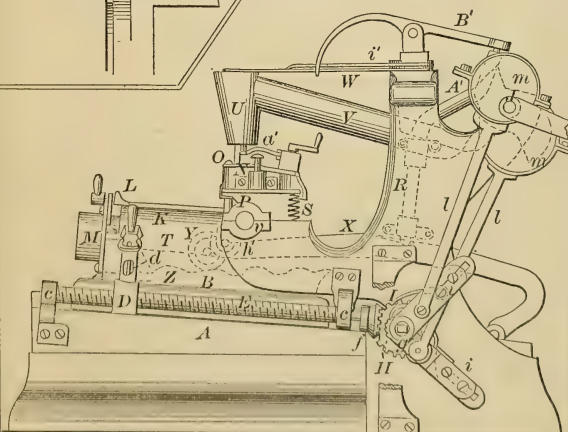
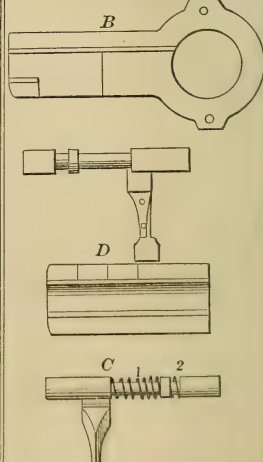


**52914**—G. Z. & W. A. Van Riper—*Basket.*

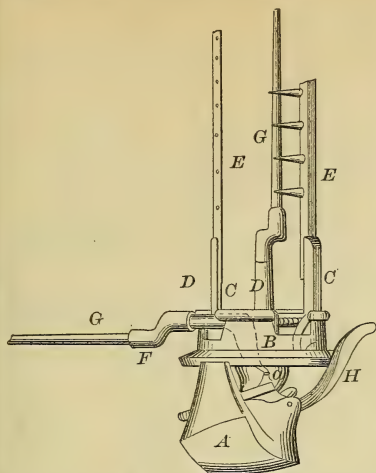


52921—A. Whittemore—*Vaccinator.*52924—J. C. Young—*Crupper Loop for Saddle Trees.*52922—W. Widmayer—*Spiral Stair.*

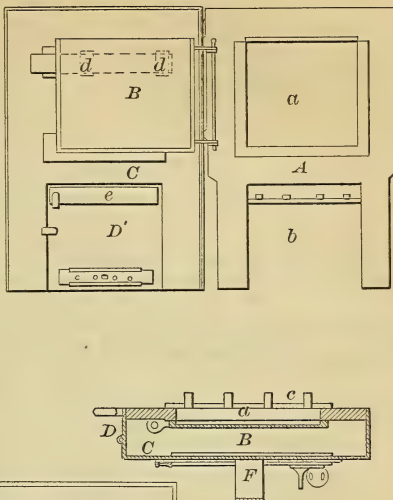
52925—

H. Berdan—*Breech-Loading Fire Arm.*52926—E. Bucklin Jr—*For Cutting Files.*52923—E. S. Woodford—*Ox Bow Pin.*

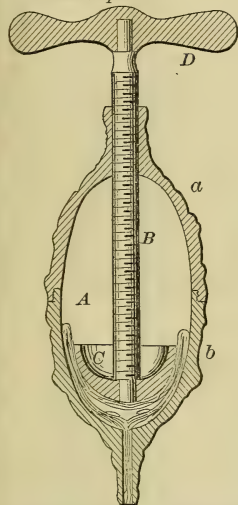
52927—O. H. Burdick—Harvester.



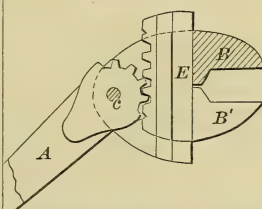
52929—E. Duffee—Gas Retort.



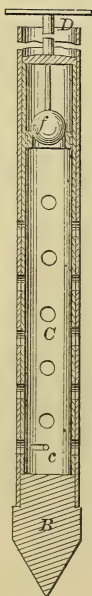
52928—V. Fogerty—  
Lemon Squeezer.



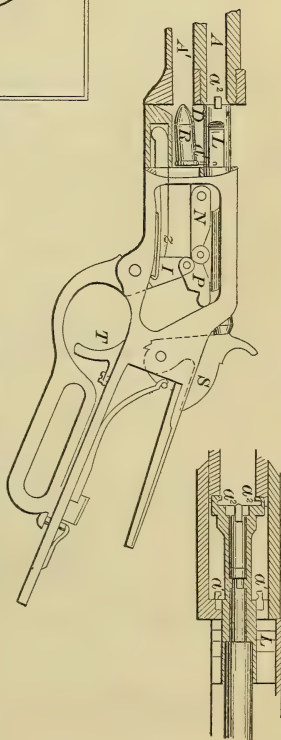
52930—W. Morehouse—  
Wrench.



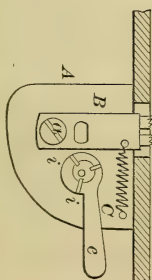
52931—M. V. Nobles—Sinking Tubular Wells.



52933—J. D. Smith—Magazine Fire Arm.

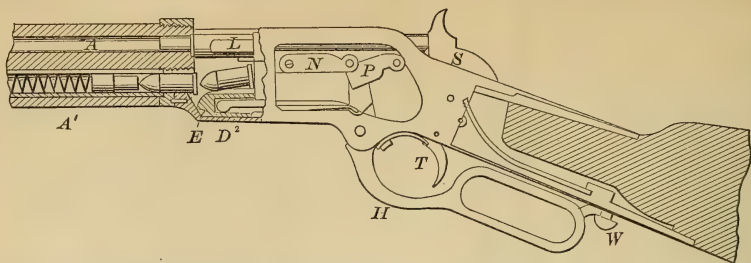


52932—G. Rehuss—Sewing Machine  
Feed Adjuster.

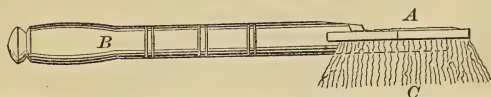




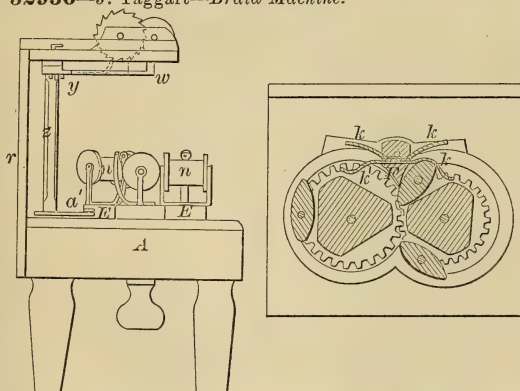
52934—J. D. Smith—Magazine Fire Arm.



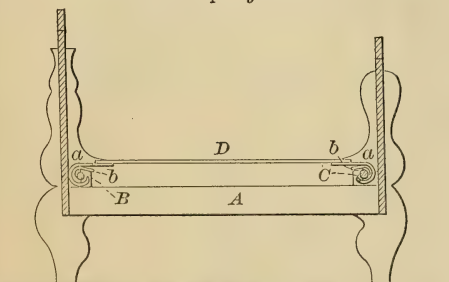
52935—W. E. Staniford—Clothes Sprinkler.



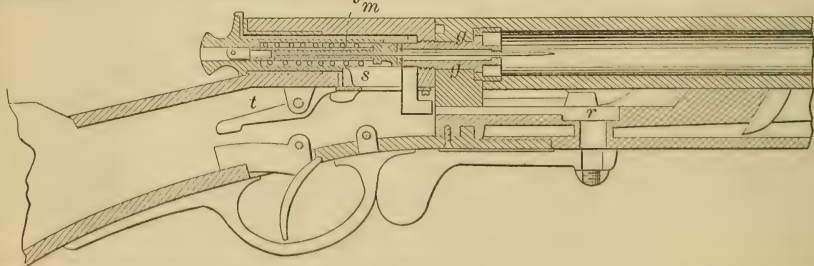
52936—J. Taggart—Braid Machine.



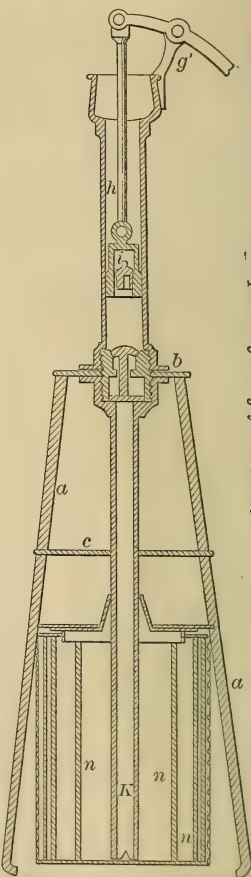
52937—N. J. Willis—Spring Bed Bottom.



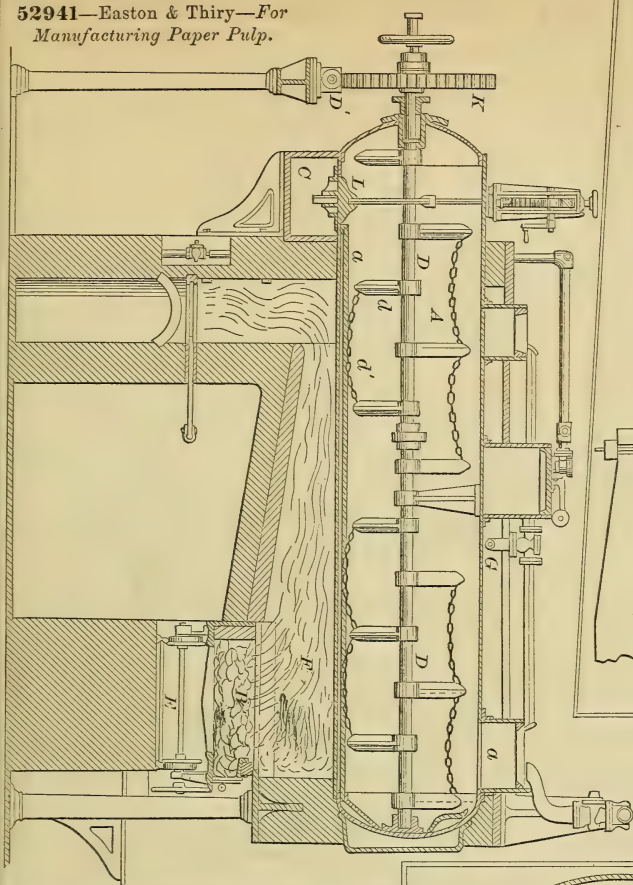
52938—J. F. C. Carle—Breech-Loading Fire Arm.



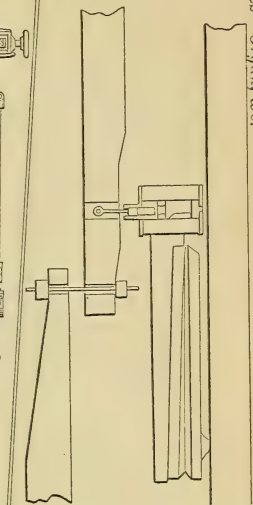
52939—P. Coombes—For Separating Wley from Curd.



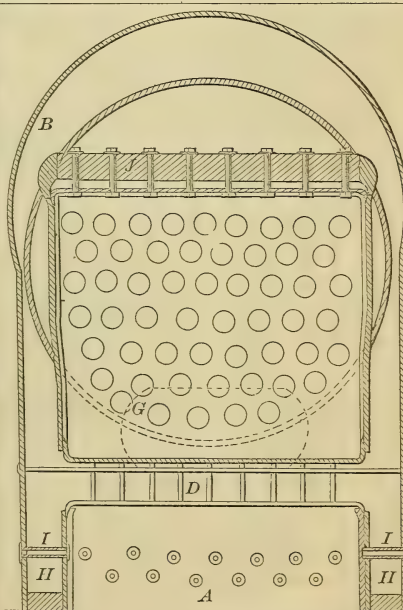
52941—Easton & Thiry—For  
Manufacturing Paper Pulp.



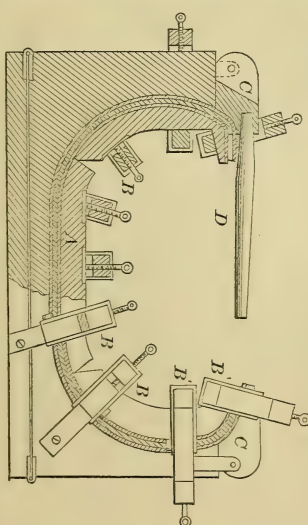
52940—W. Dawes—Organ, &c.



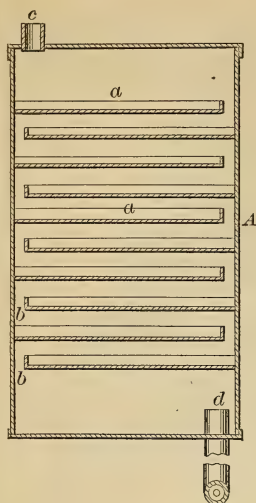
52945—C. F. Jammet—Fire Box of Steam Generators.



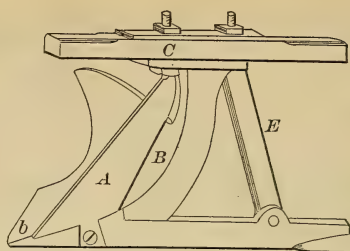
52944—E. C. Harris—Wood Bending Machine.



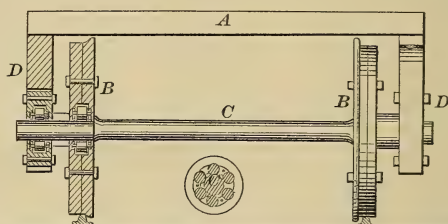
**52946**—S. N. Chamberlin—*For Generating Gas for Illuminating.*



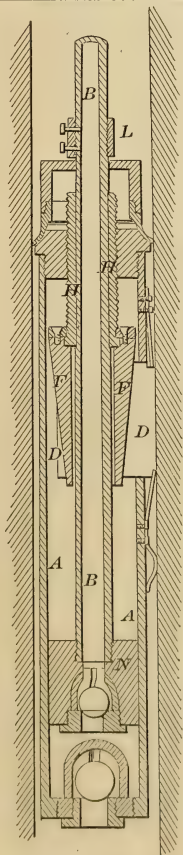
**52948**—R. L. Allen—*Plow.*



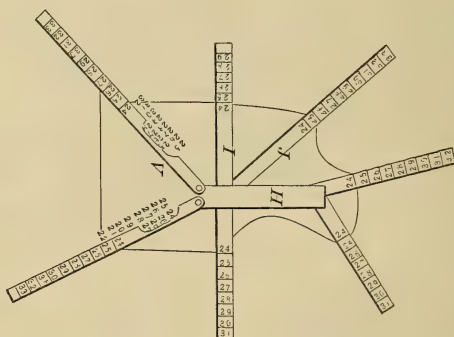
**52949**—D. Babson, 2d—*Wheels and Axles of Railway Cars.*



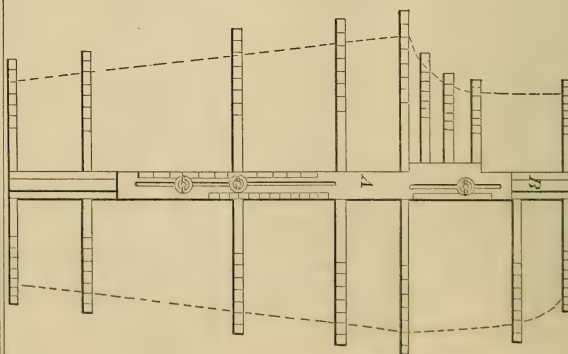
**52947**—W. S. Wilkinson—*Pump for Oil Wells.*



**52950**—G. Beard—*Tailor's Measure.*

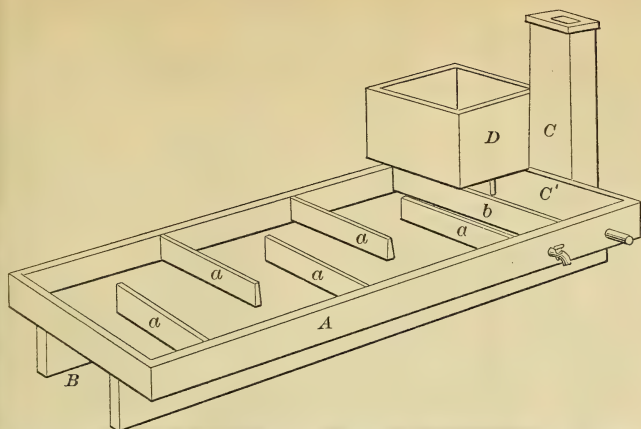


**52951**—G. Beard—*Tailor's Measure.*

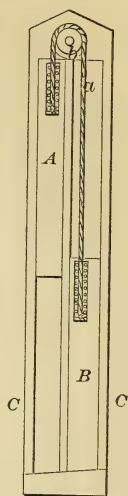




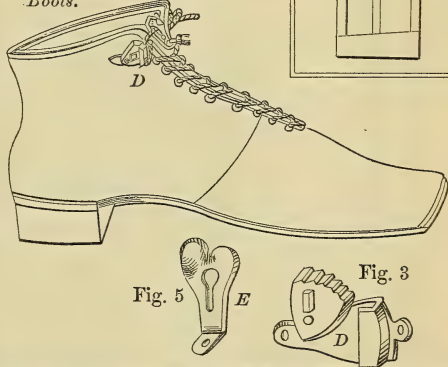
52952—J. Beechley—*Evaporator.*



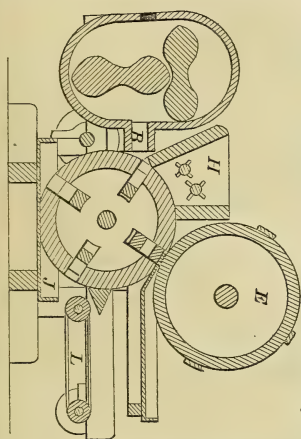
52955—S. Boyer—*Window.*



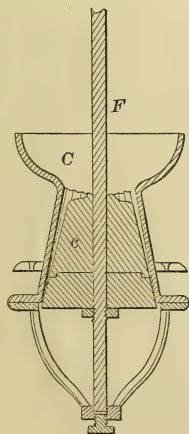
52954—F. Borchardt—*Lacing Boots.*



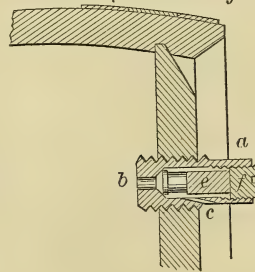
52956—L. W. Boynton—*For Making Cube Sugar.*



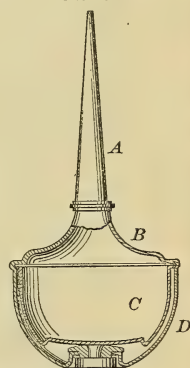
52953—M. Bishop—*Paint and Drug Mill.*



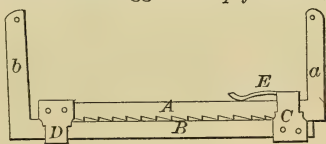
52957—R. Bridge—*To prevent Barrels from Bursting.*

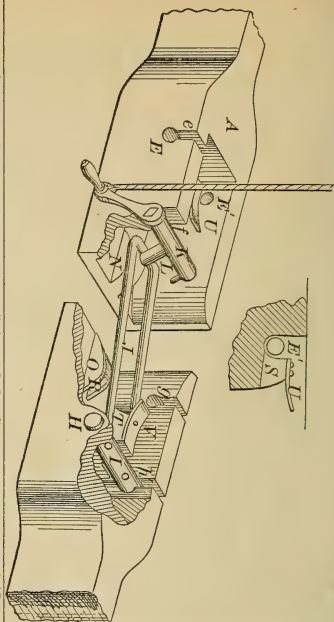
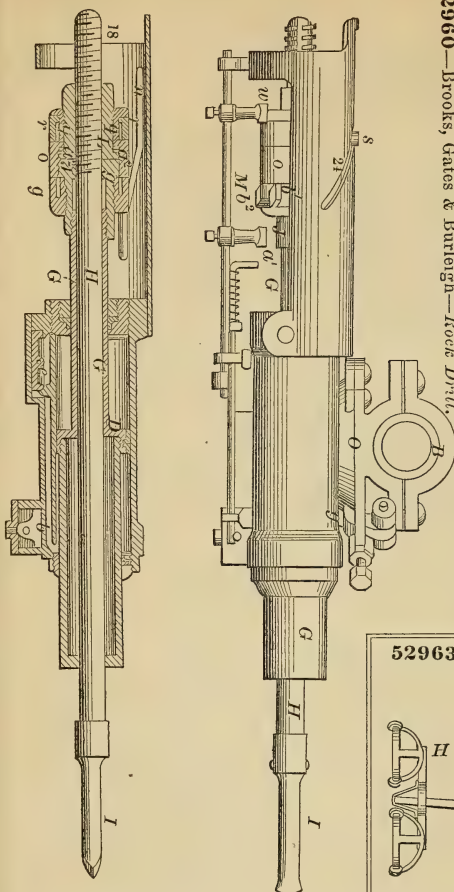
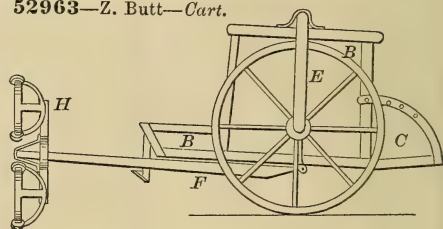
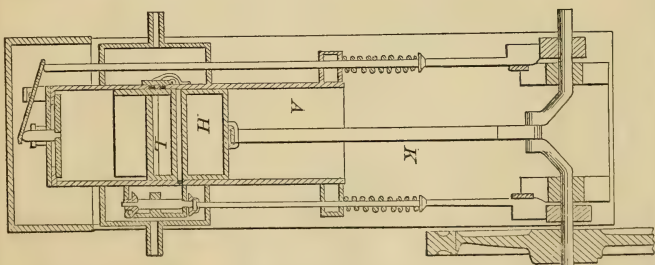
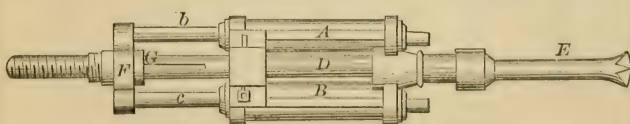
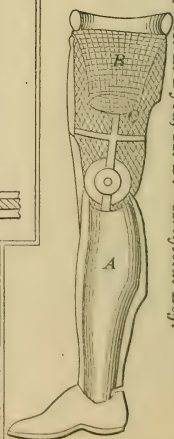


52959—J. Broughton—*Oiler.*

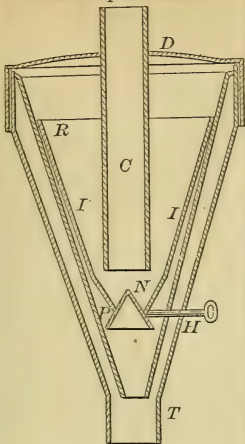


52958—A. P. Briggs—*Clamp for Furnace Men's Use.*

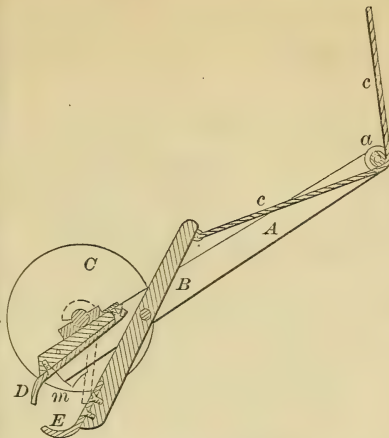
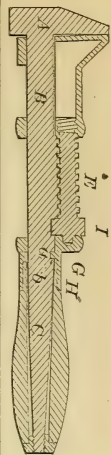


52962—C. C. Burns—*Car Coupling.*52960—Brooks, Gates & Burleigh—*Rock Drill.*52963—Z. Butt—*Cart.*52965—F. A. Calvert—*Steam Engine.*52961—C. Burleigh—*For Drilling Rocks.*52964—H. L. Byrd, M. D.—*Artificial Leg.*

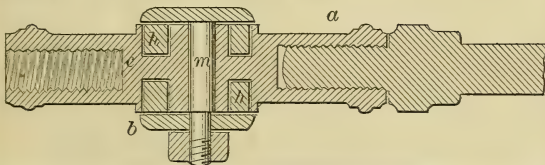
52966—J. P. Chaplin—  
*Stove Pipe Drum.*



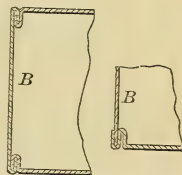
52967—O. A. Cheney—*Grubbing Machine.*

52968—A. G. Coos—*Wrench.*

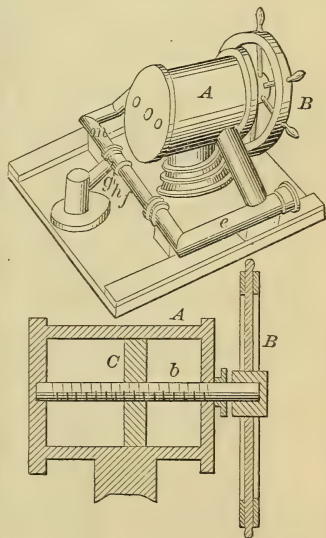
52969—J. K. Collins—*Knuckle Joint.*



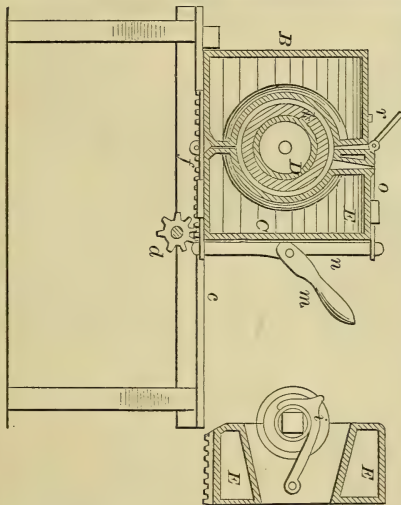
52972—E. T. Covell—  
*Sheet Metal Can.*



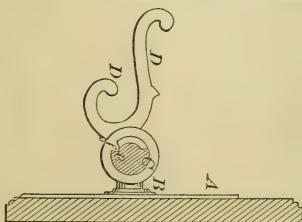
52970—H. O. Cook—*Hydraulic Steering Apparatus.*



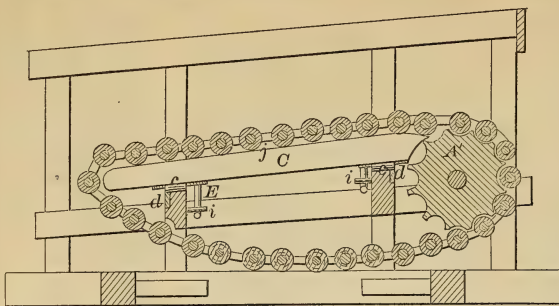
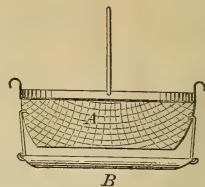
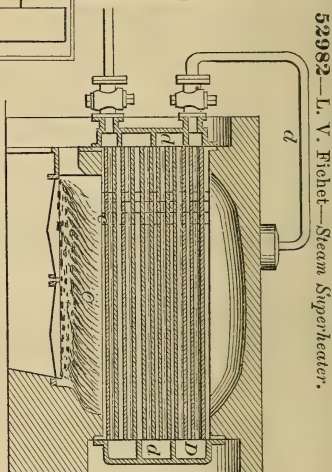
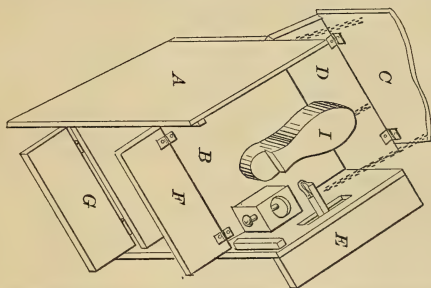
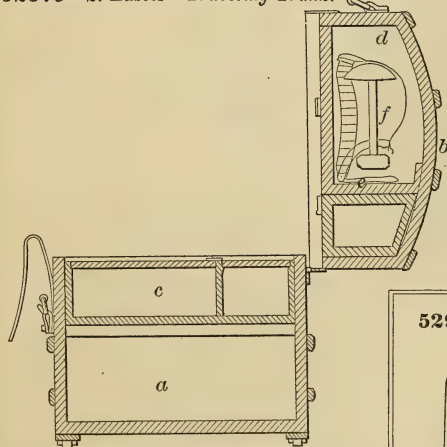
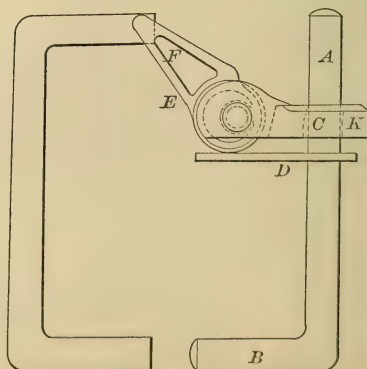
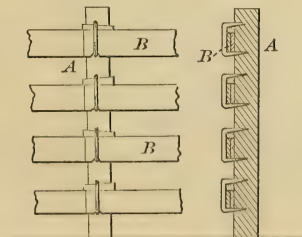
52971—Cornell & Quinn—*Pipe Mould.*



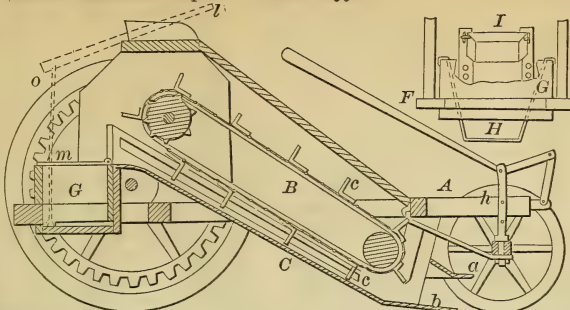
52974—J. Danner—  
Coat and Hat Hook.



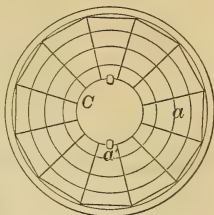


**52975**—S. W. Davis—*Horse Power.***52980**—A. Eckert—*Preparing Fruit, &c., for Preserving.***52977**—H. H. Dodge—*Boot Blacking Apparatus.***52982**—L. V. Fiehet—*Steam Superheater.***52979**—S. Easter—*Traveling Trunk.***52983**—W. G. Floyd—*Adjustable Clamp.***52981**—J. Edmunds—*Fence.*

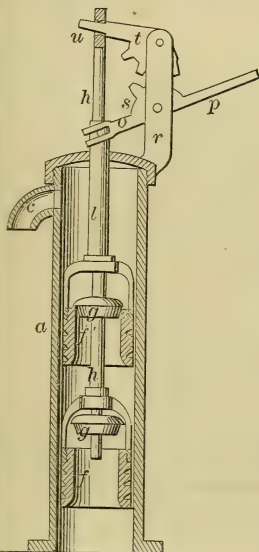
52984—Ford & Penquite—Potato Digger.



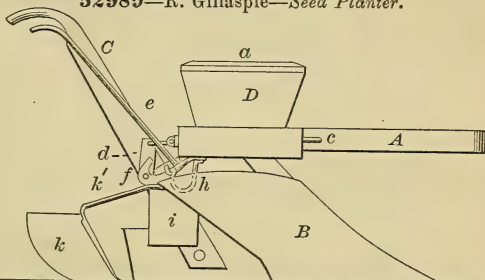
52987—C. D. Gibson—  
Reflector for Head  
Lights.



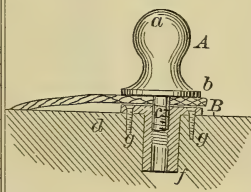
52991—L. A. Gould—Pump.



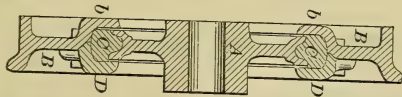
52989—R. Gillaspie—Seed Planter.



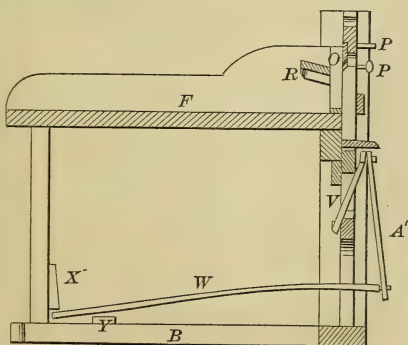
52985—J. H. Friedrich—  
Carpet Fastener.



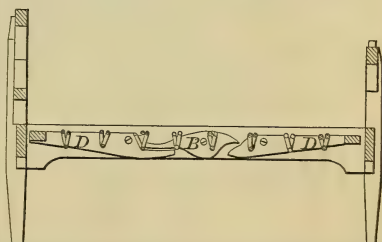
52986—Fryer & Freeborn—Railroad Car Wheel.



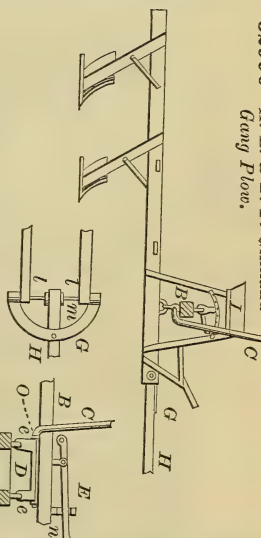
52992—W. Green—Cutting Box.



52988—J. H. Gibson—Invalid Bedstead.



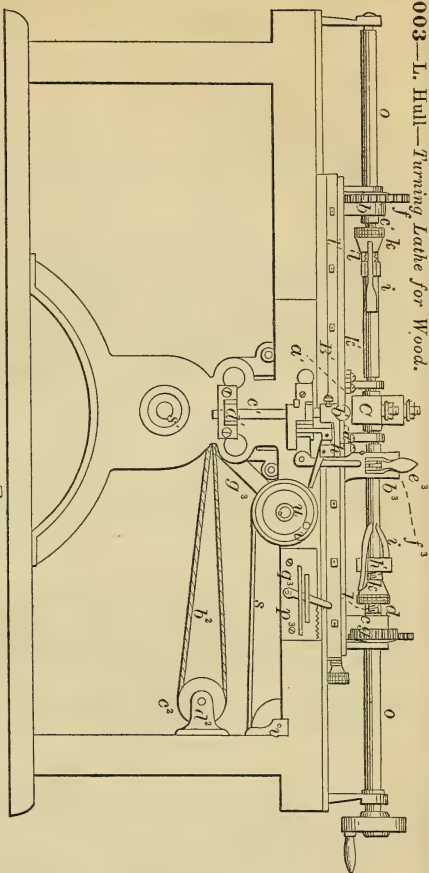
52990—A. L. & B. F. Gilliland—  
Gang Plow.



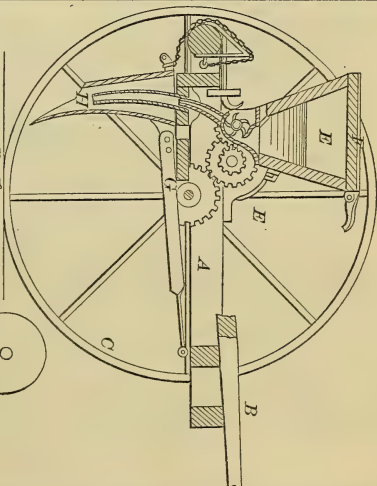




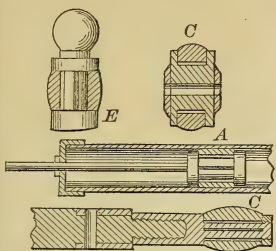
53003—L. Hull—Turning Lathe for Wood.



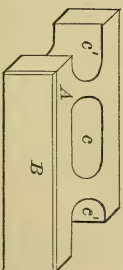
53005—J. Ingels—Grain Drill.

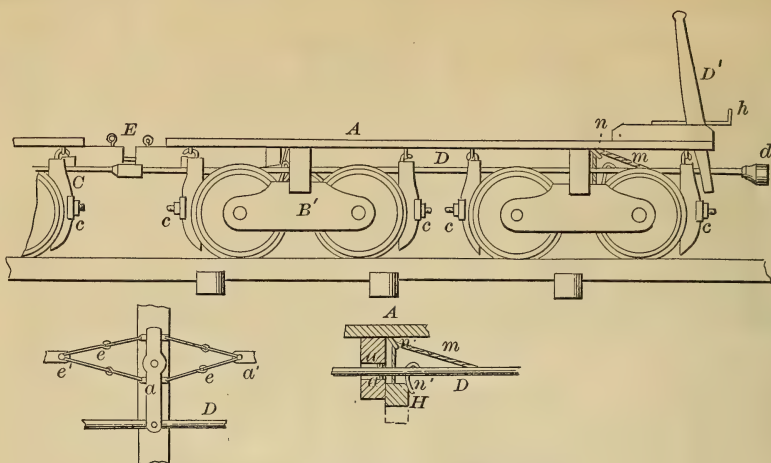
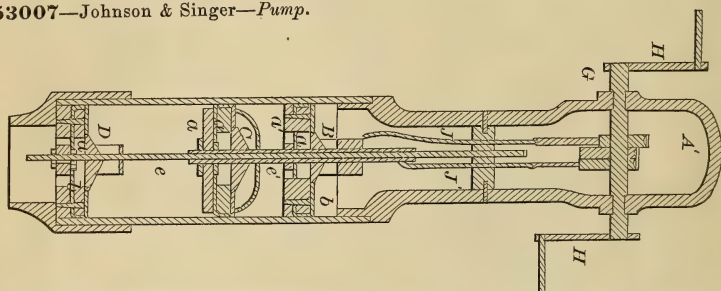
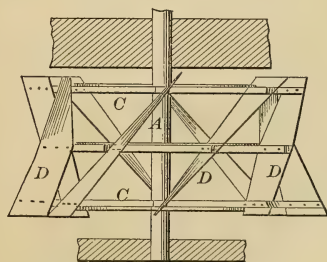
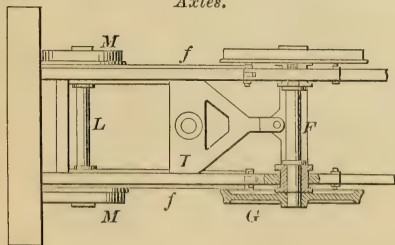
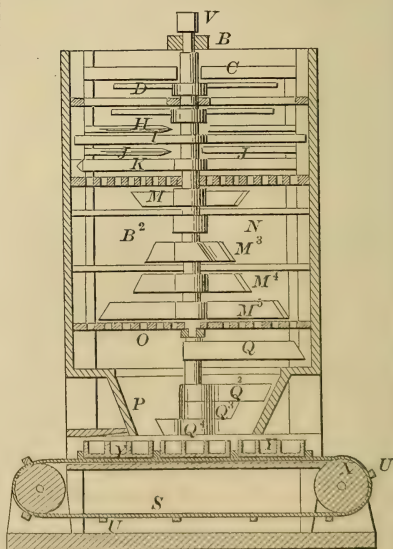


53002—R. B. Hugunin—Making Bottle Stoppers, Caster Wheels, &c.

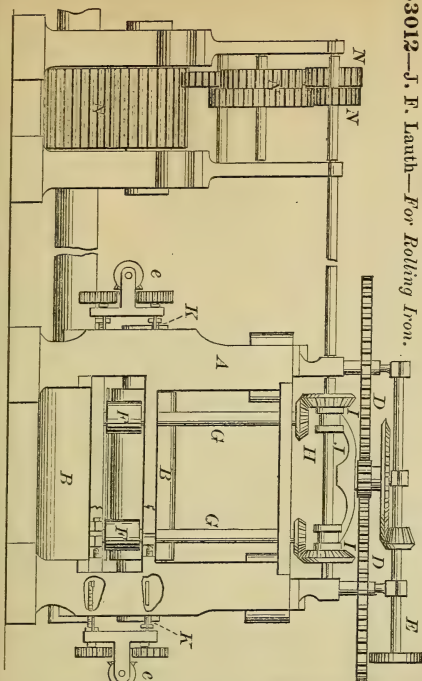


53004—C. S. Hutchinson—Building Block.

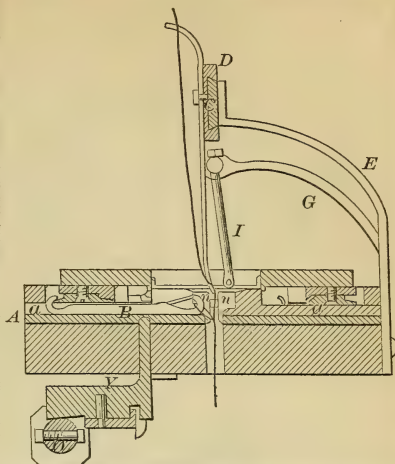


53006—M. Ingersoll—*Railroad Car Brake.*53007—Johnson & Singer—*Pump.*53008—E. Jones—*Paddle Wheel.*53009—J. P. Laird—*Bearings of Locomotive Axles.*53011—T. H. Leavitt—*Peat Machine.*

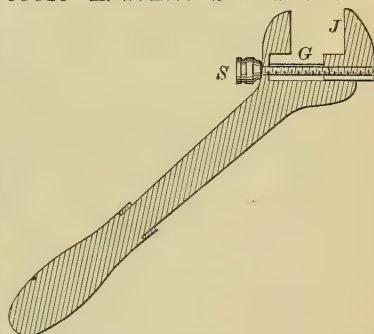
53012—J. F. Lanth—For Rolling Iron.



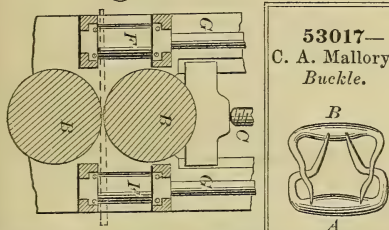
53013—T. Langham—Knitting Machine.



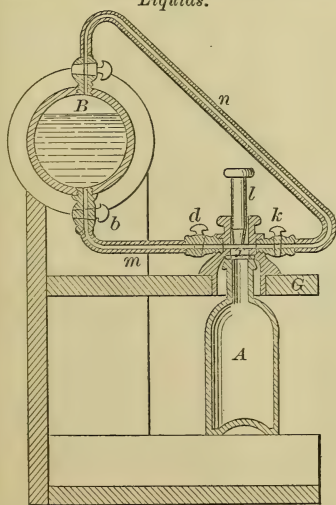
53016—H. W. Love—Screw Wrench.



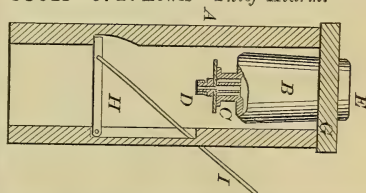
53017—  
C. A. Mallory—  
Buckle.



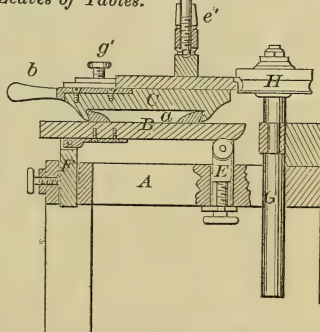
53019—J. Mathews, Jr.—For Bottling Liquids.



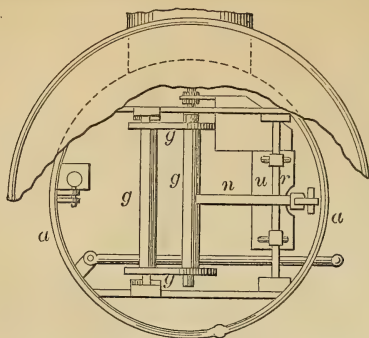
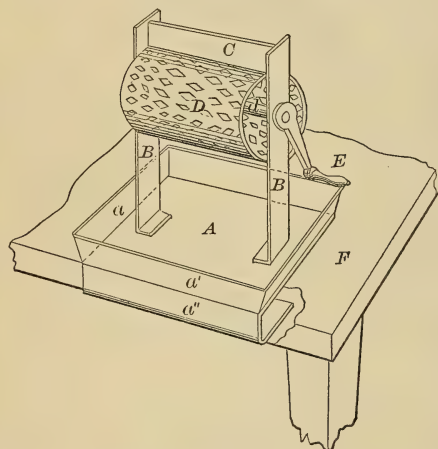
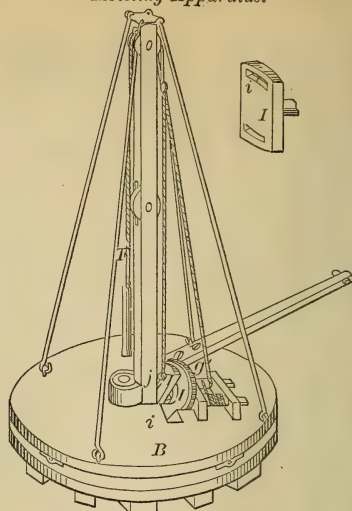
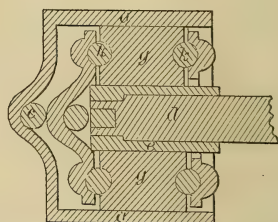
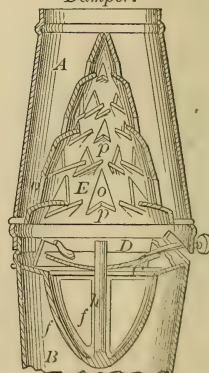
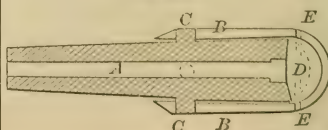
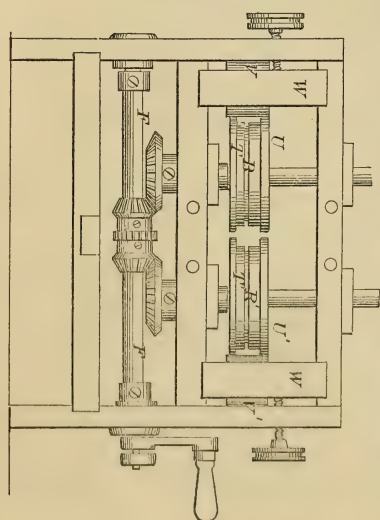
53015—J. F. Lewis—Thief Alarm.



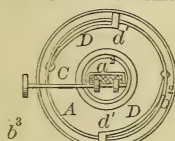
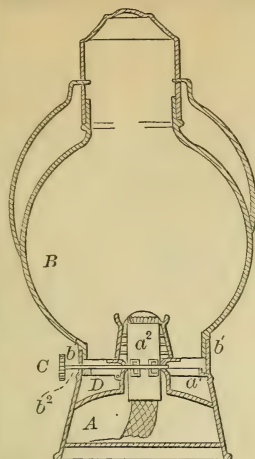
53018—F. B. Marble—For Jointing Tops and Leaves of Tables.



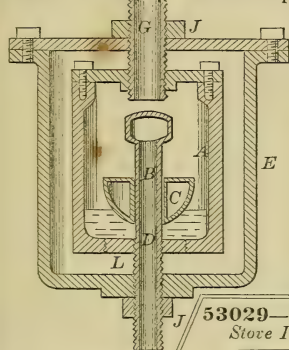


53020—A. Y. McDonald—*Balance.*53021—S. A. McGill—*Vegetable Grater.*53022—McGill & Gibson—*Drilling and Hoisting Apparatus.*53023—W. S. Mead—*Journal and Box.*53024—J. C. Merritt—*Stove Pipe Damper.*53026—J. B. Moody—*Breech-Loading Ordnance.*53025—J. B. Mignault—*For Rolling File Blanks.*

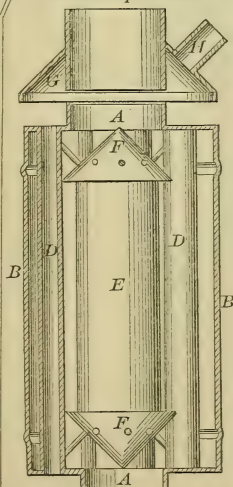
53027—J. C. Moore—Lantern.



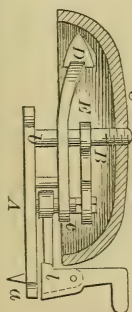
53031—J. Naylor—Steam Trap.



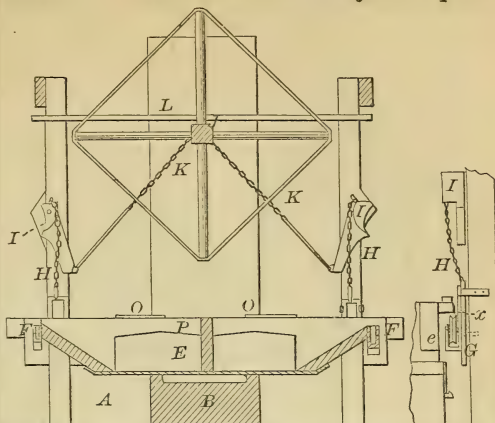
53029—E. P. Morse—Store Pipe Drum.



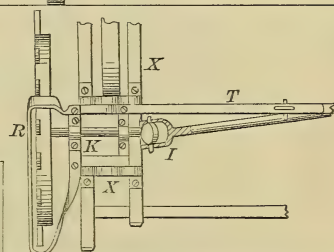
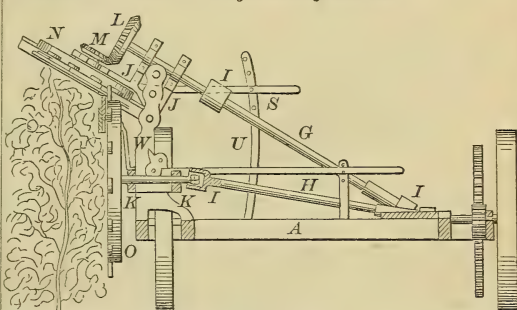
53030—M. P. Murphy—Burglar Alarm.



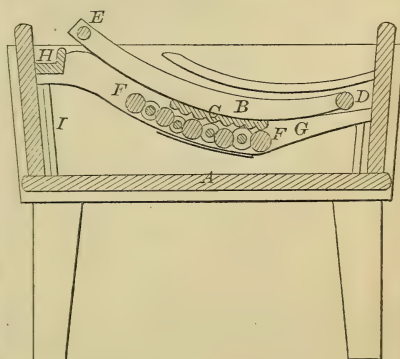
53028—C. T. & E. W. Moorman—Sorghum Evaporator.



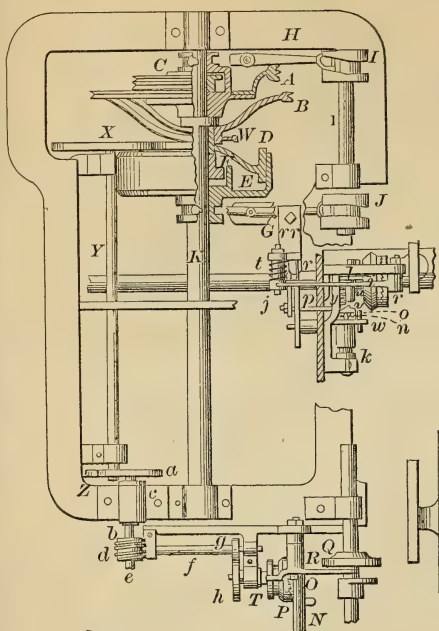
53033—D. Oliver—Hedge Cutting Machine.



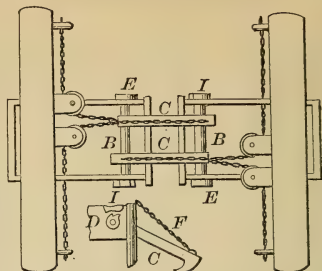
53035—A. B. Parsons—Washing Machine.



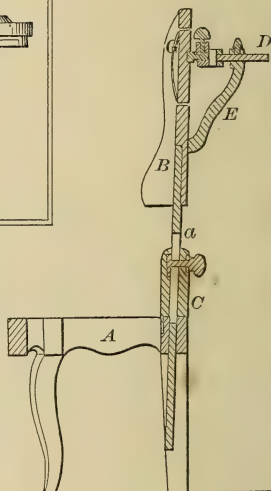
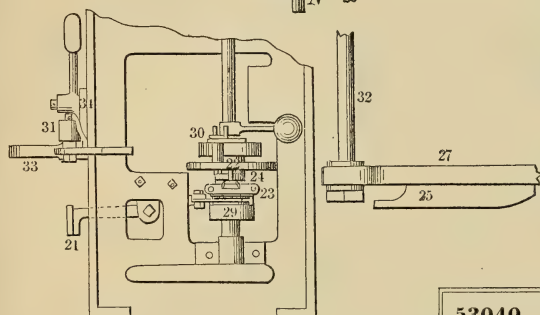
53036—S. D. Paul—Mule for Spinning.



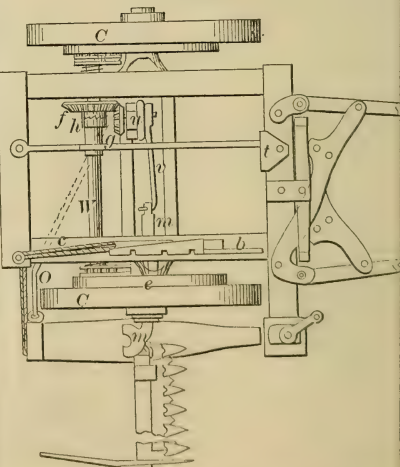
53037—Payne &amp; Boxley—Car Coupling.



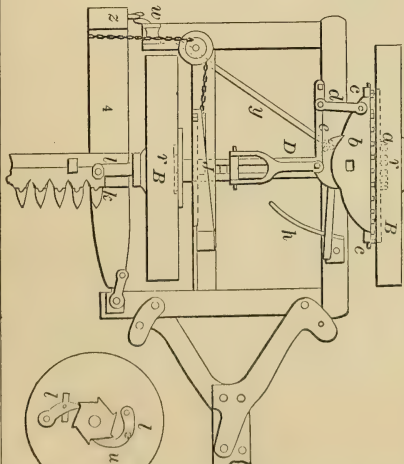
53038—C. G. Pease—Photographic Chair.



53040—J. G. Perry—Reaping and Mowing Machine.

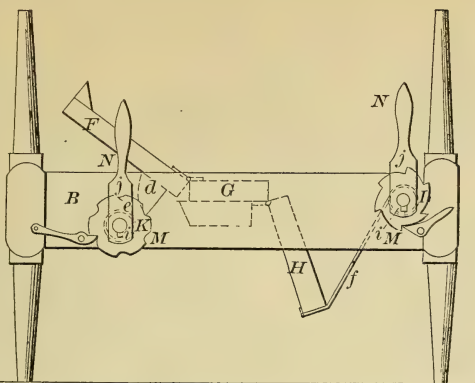


53039—J. G. Perry—Mowing Machine.

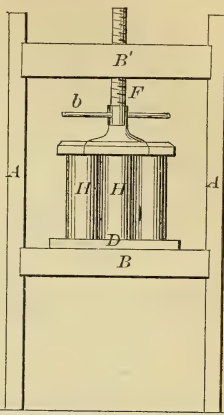




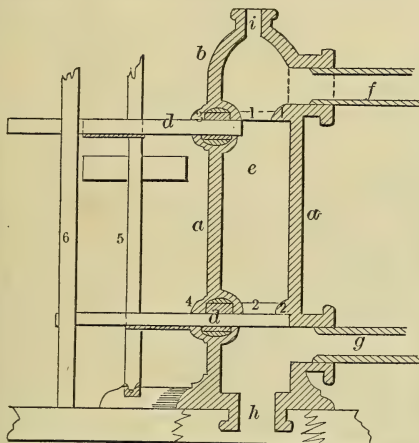
53041—S. Puffer—*Invalid Bedstead.*



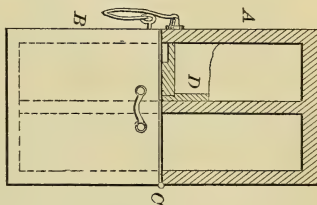
**53043**—L. J. Randall—  
*Preparing Cheese for Market.*



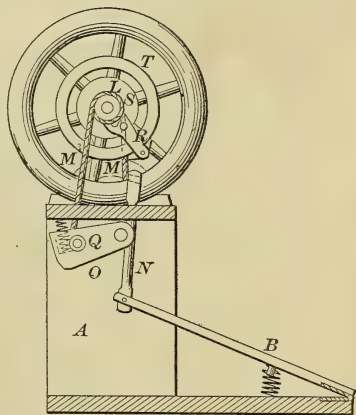
**53042**—E. Quinn—*Automatic Boiler Feeder.*



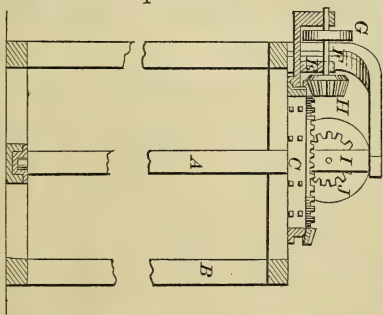
53045—A. V. Ryder—*Trunk and Bureau.*



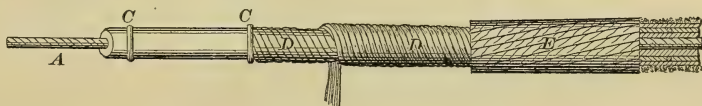
53046—E. P. Ryder—*Treadle Motion.*



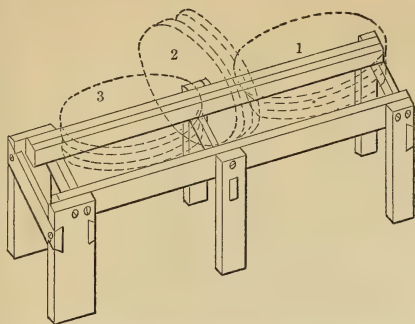
53044—F. Rumpf—*Crane*.



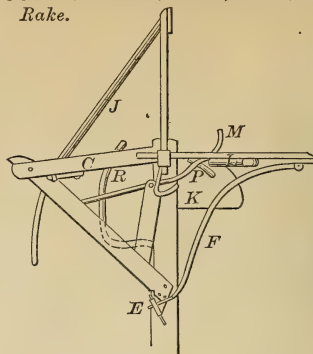
53047—P. A. Salvotti—*Telegraph Cable.*



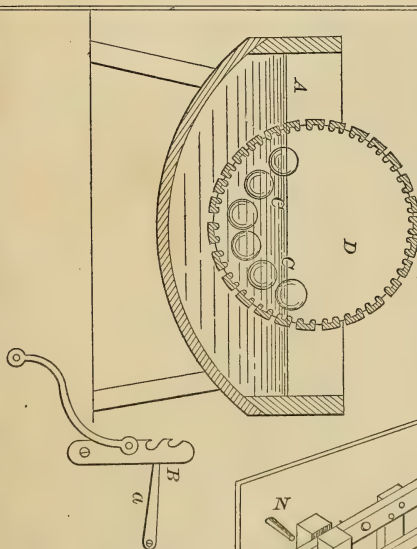
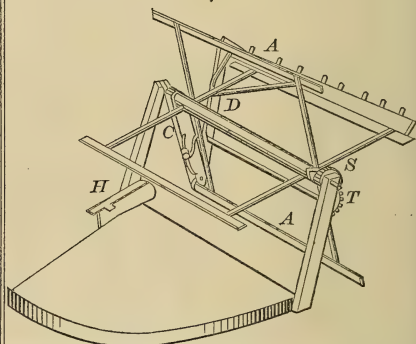
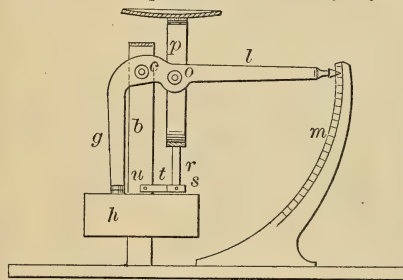
53048—R. Scott—Turning Cheese.



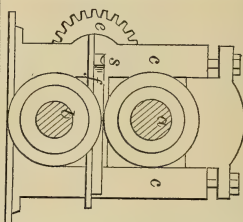
53051—S. &amp; J. G. Sherman—Harvester Rake.



53050—L. Shepard—Scale for Weighing.

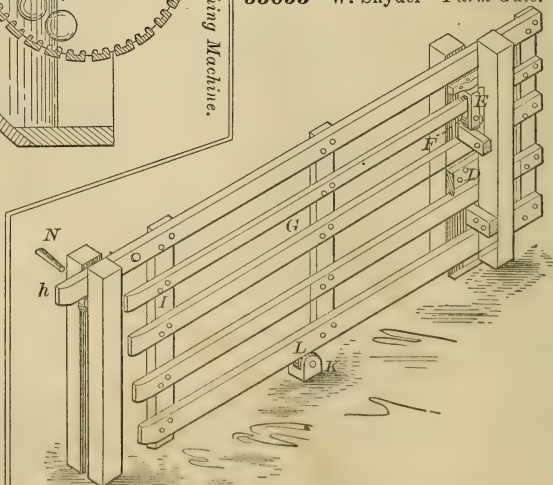


53052—L. E. Smith—Washing Machine.

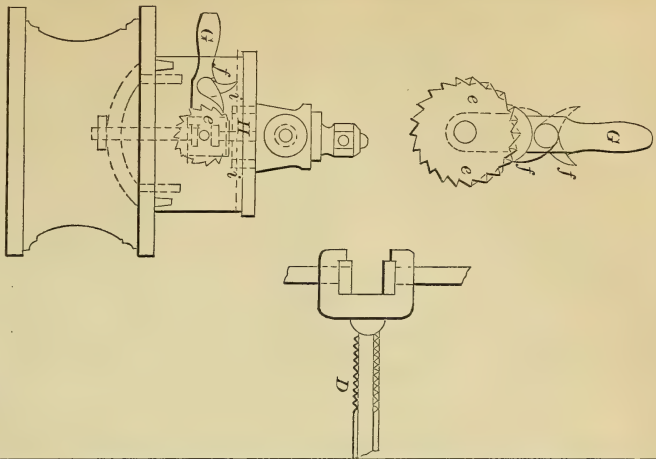


53049—J. S. Seaman—Rolling Metals.

53053—W. Snyder—Farm Gate.



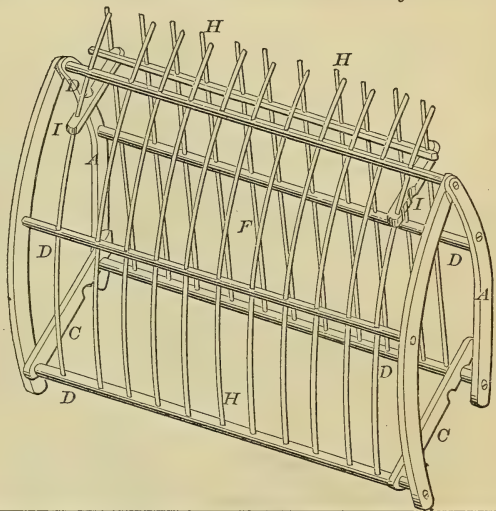
53058—A. Thomas—For Securing the Tail Stocks of Lathes.



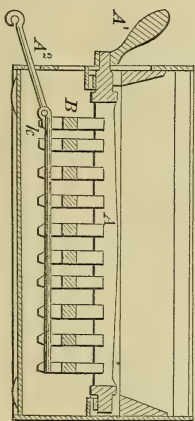
53054—G. W. Spear—Well Boring.



53055—Stone & Kendrick—Dish Drainer and Dryer.



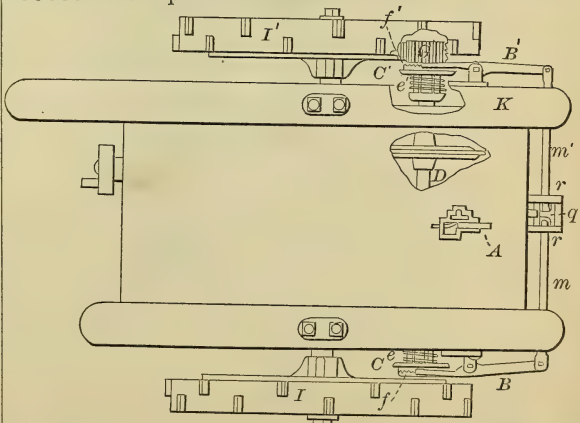
53059—W. B. Treadwell—Grate and Grate Bar.



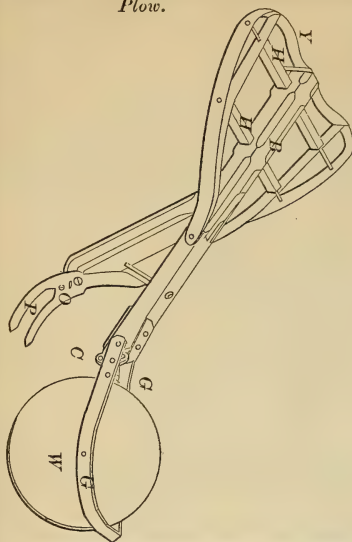
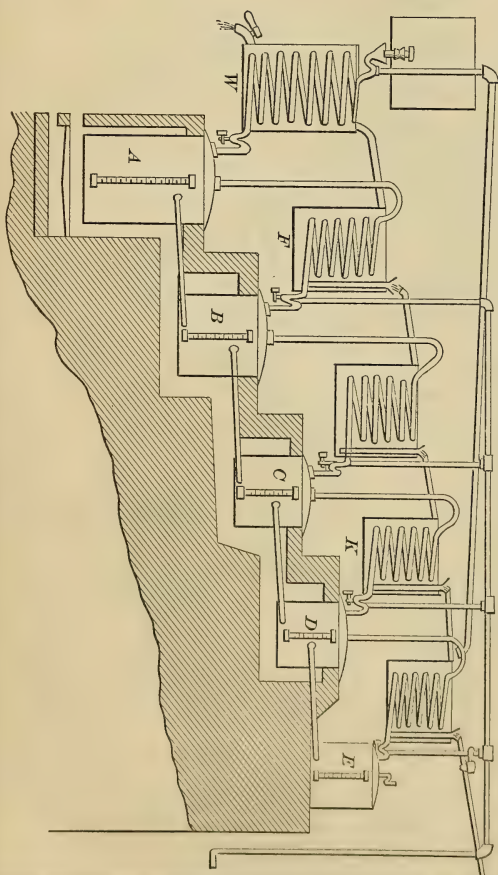
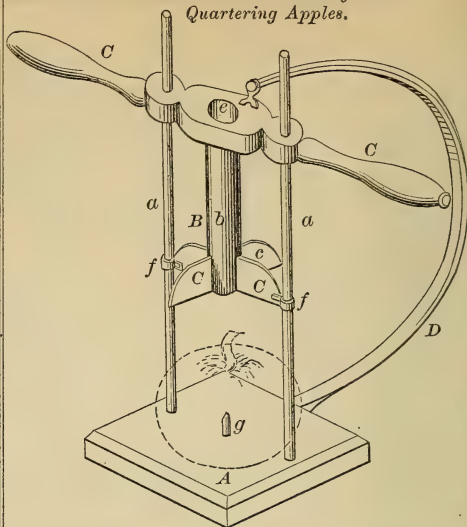
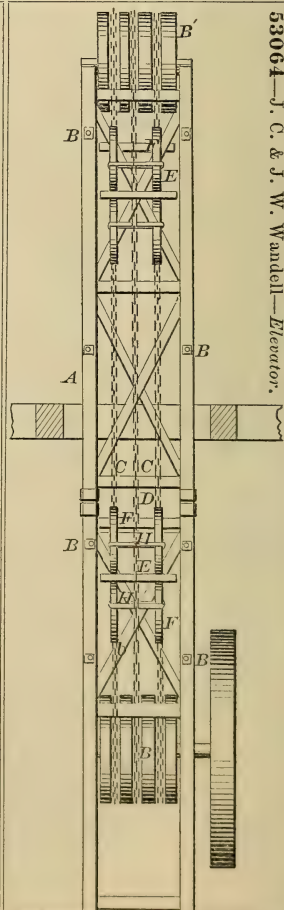
53060—E. A. Tyler—Hair Crimping Pin.

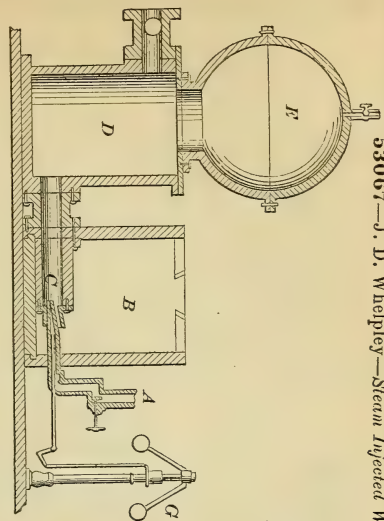


53057—C. Tompkins—Harvester.

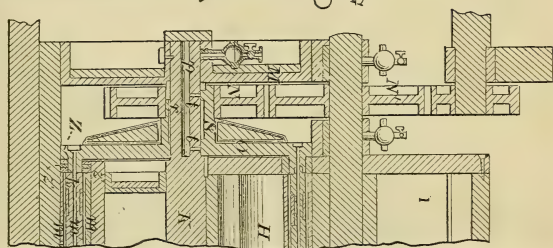




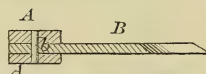
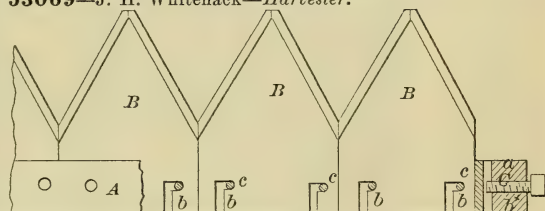
53061—J. Von Achen—*Hand Garden Plow.*53063—J. J. Vankersen—*For Coring and Quartering Apples.*53062—P. H. Vander Weyde, M. D.—*Still for Petroleum.*53064—J. C. & J. W. Wandell—*Elevator.*



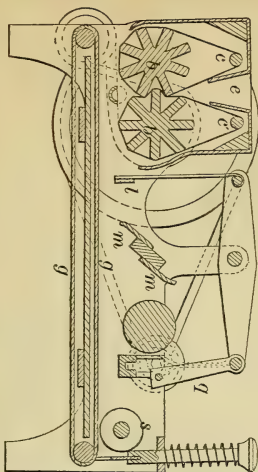
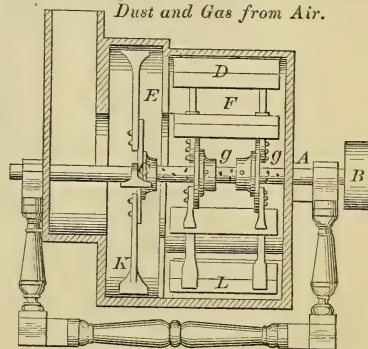
53067—J. D. Whepley—*Steam Injected Water Motor.*



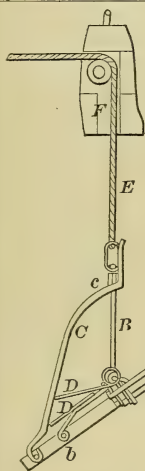
53069—J. H. Whitenack—*Harvester.*



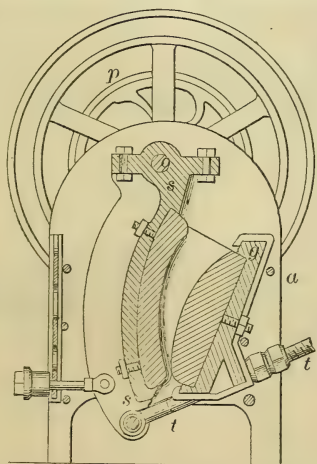
**53068**—Whelpley & Storer—*For Removing Dust and Gas from Air.*



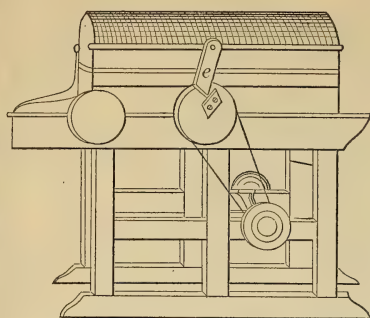
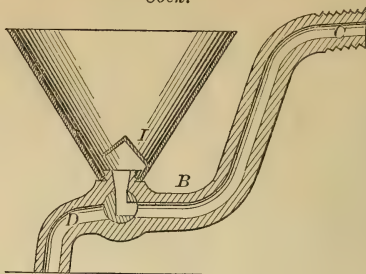
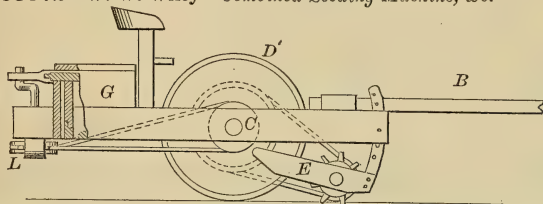
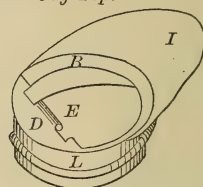
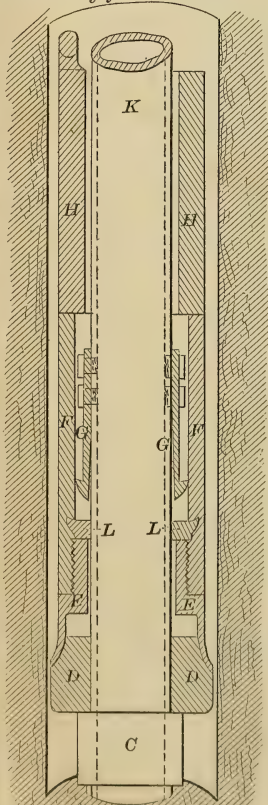
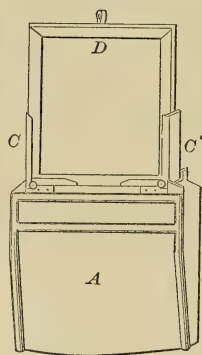
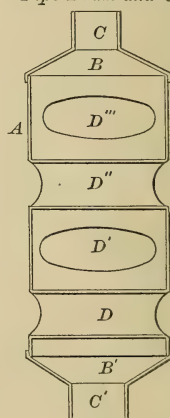
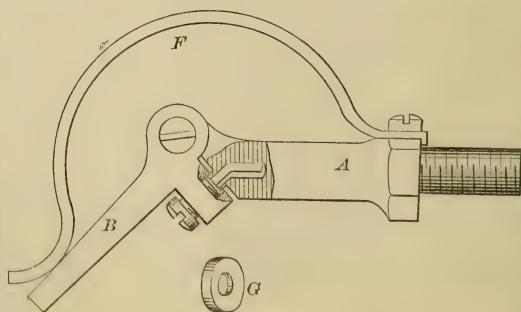
53065—D. Wellington—*Peat Machine.*



53070—A. Whitmarsh—  
*Horse Hay Fork.*

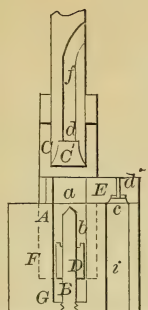


53066—Z. Wheeler—Ore Crusher.

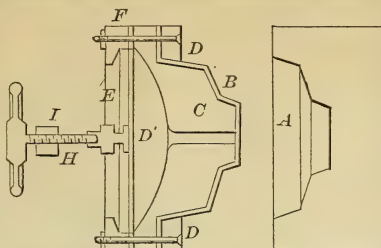
53071—R. Wildman—*Fur Blower.*53074—A. G. Wilson—*Combined Funnel and Cock.*53072—W. W. Wiley—*Combined Seeding Machine, &c.*53076—H. Wright—*Jug Top.*53073—W. S. Wilkinson—*Packing for Oil Wells.*53075—F. Wood—*Landan Carriage Door.*53077—J. Beebe—*Stove Pipe Drum and Oven.*53079—J. Holdcraft—*Gauge Cock for Steam Boilers.*



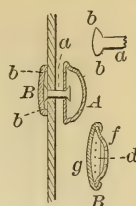
53080—W. R. Landfear—Ejector Machine.



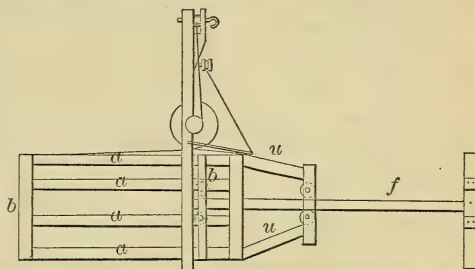
53083—M. Morse—For Pressing Hats.



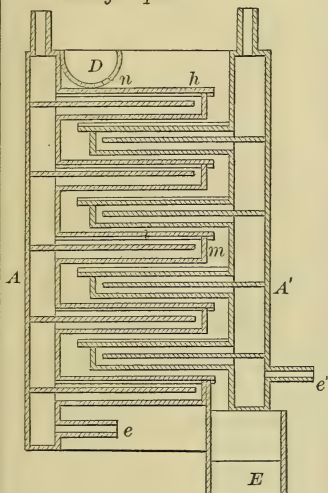
53086—A. Selkirk—Button.



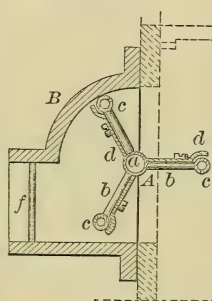
53084—F. Müller—Farm Gate.



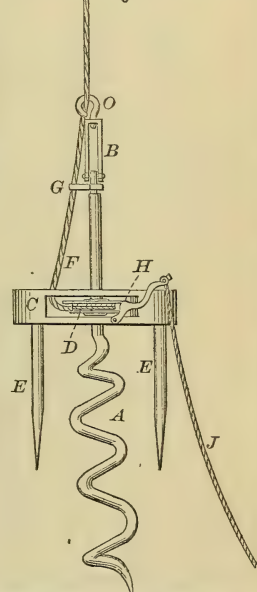
53082—B. G. Martin—For Cooling Liquids.



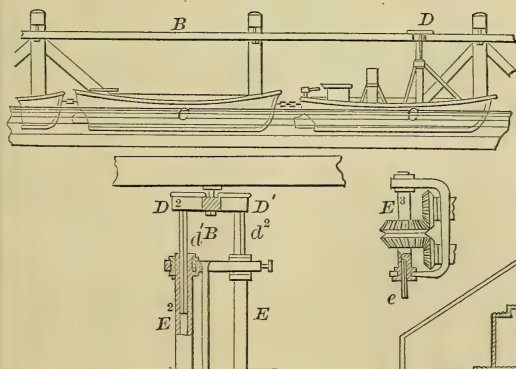
53087—J. Simmonds—Steam Blower.



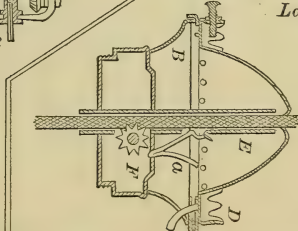
53085—J. F. Pierce—Horse Hay Fork.



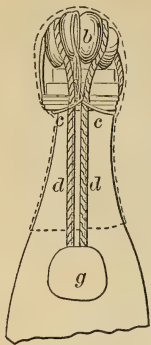
53088—G. Stackpole—For Canal Propulsion.



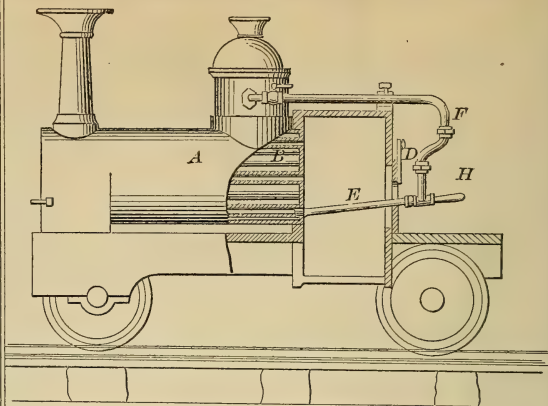
53089—O. D. Woodbury—Lamp.



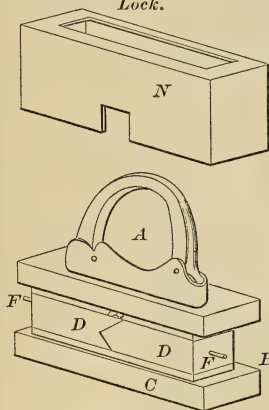
**53090**—G. Bousigues—  
*Fastening Corks in Bottles*



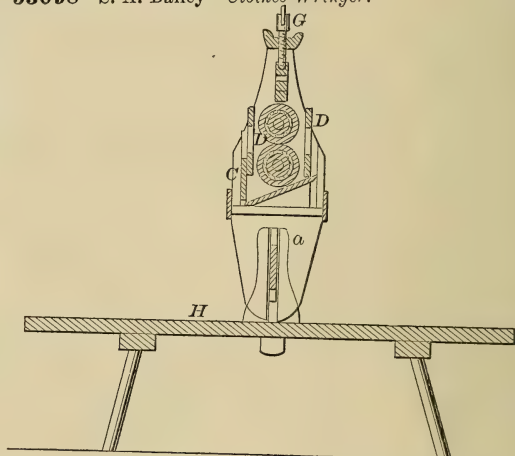
**53091**—D. Mc Dowell—*For Cleaning Tubes of Boilers.*



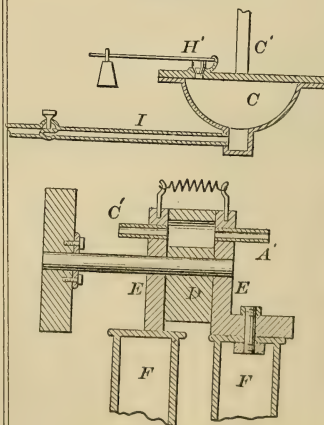
**53096**—T. Ascherfield—*Mail Lock.*



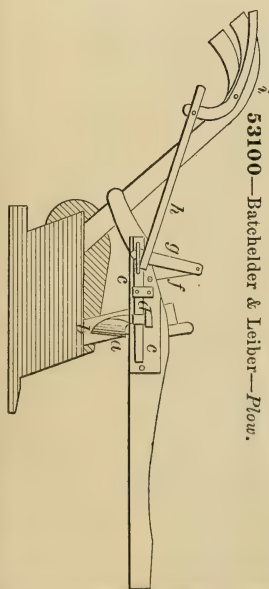
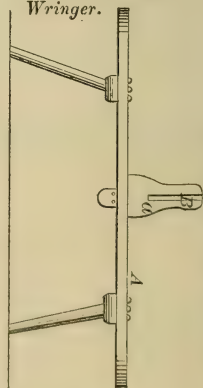
**53098**—S. A. Bailey—*Clothes Wringer.*



**53097**—J. B. Atwater—*Air Engine.*

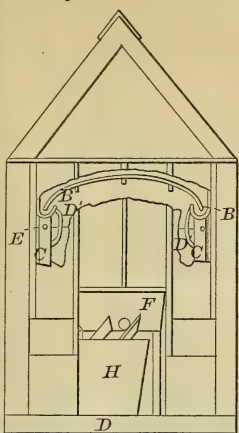


**53099**—S. A. Bailey—*Bench for Clothes Wringer.*

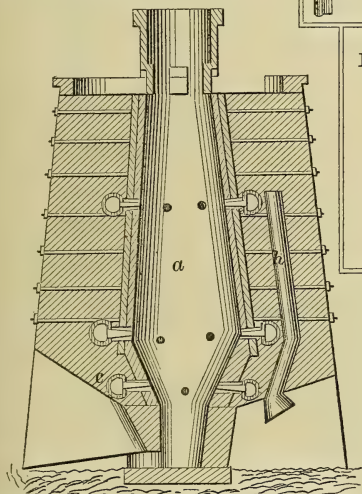


**53100**—Batchelder & Leiber—*Plow.*

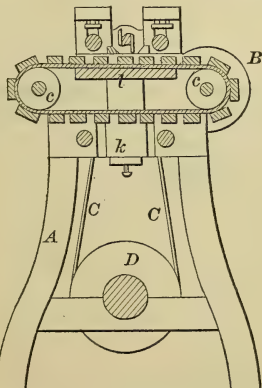
**53101**—S. R. Beckwith—*Granary, Fruit House, &c.*



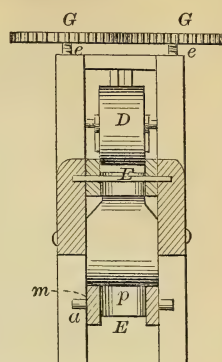
**53104**—J. F. Bennett—*Raising Heat by the Combustion of Fuel.*



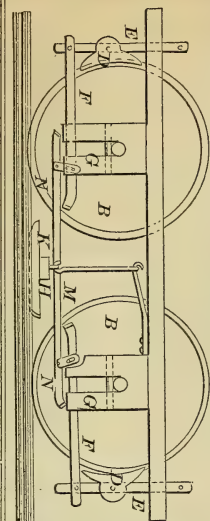
**53107**—L. W. Boynton—*For Making Skewers.*



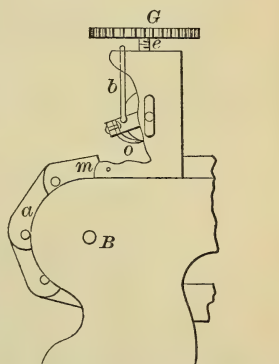
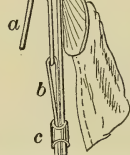
**53105**—J. Blackie—*For Making Plug Tobacco.*



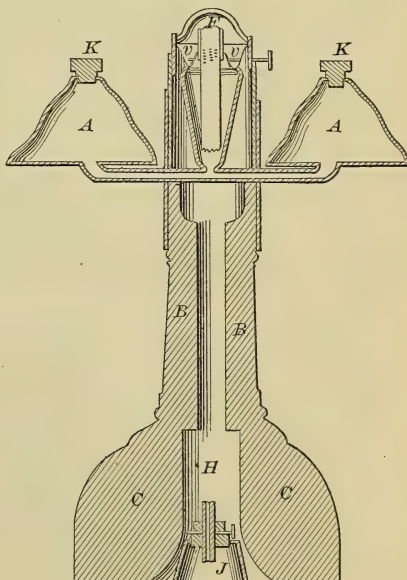
**53106**—V. W. Blanchard—*Car Brake.*



**53102**—*Bendix & Fleisch—Neck Tie.*



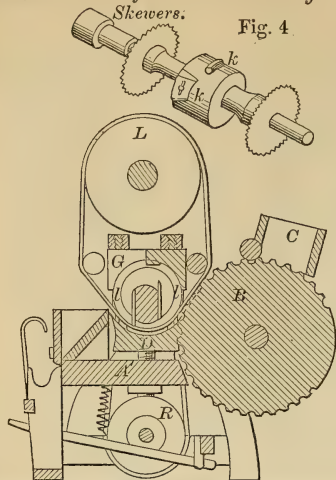
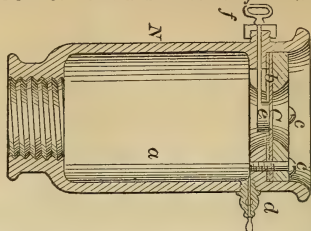
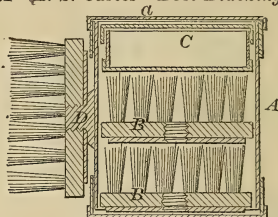
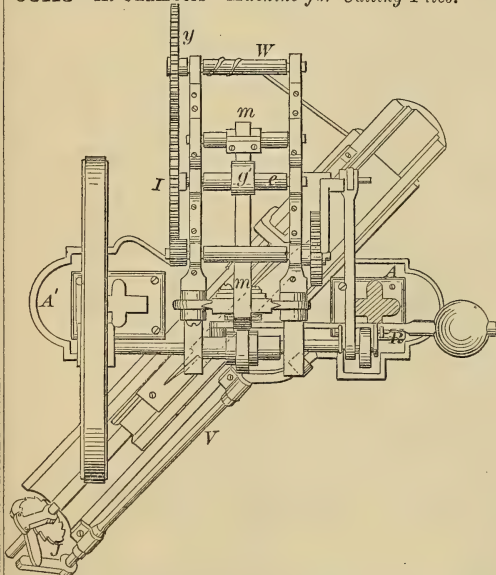
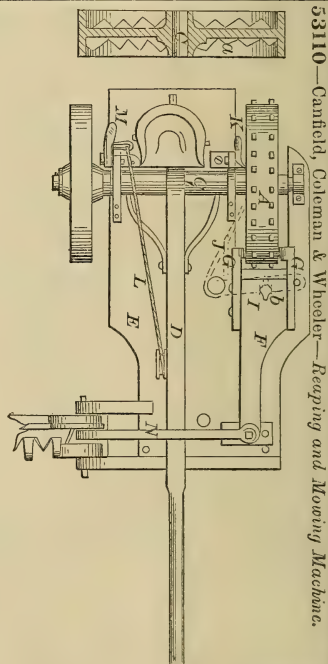
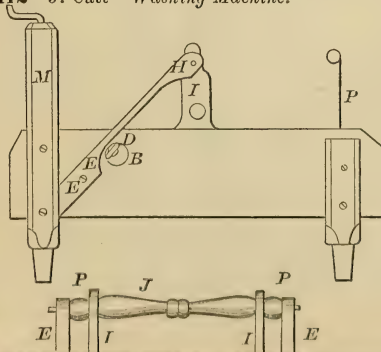
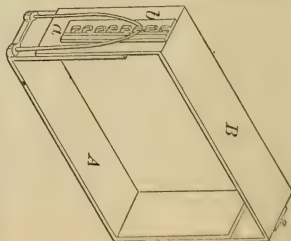
**53103**—Beidler & Cridfield—*Kerosene Lamp.*



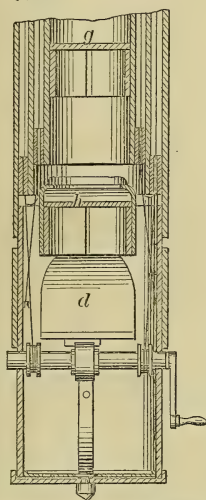
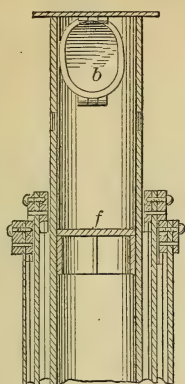


53108—L. W. Boynton—*For Pointing Skewers.*

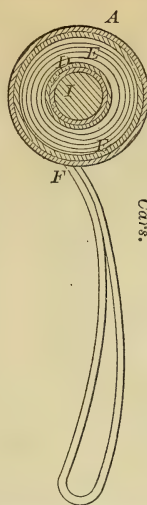
Fig. 4

53109—C. Burchardt—*Nozzle for Fire Engines.*53111—E. S. Carter—*Boot Blacking Case.*53113—A. Chambers—*Machine for Cutting Files.*53112—J. Catt—*Washing Machine.*53110—Canfield, Coleman & Wheeler—*Reaping and Mowing Machine.*53114—W. C. Choate—*Letter File.*

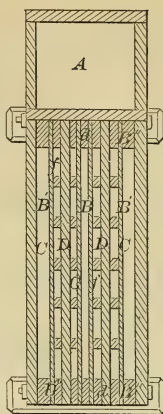
53115—J. Clarke—  
*Altiscope.*



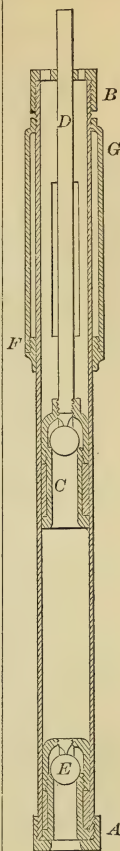
53116—T. Cogswell—*Holding Strap for Street Railway Cars.*



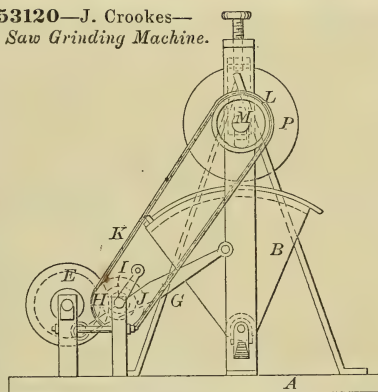
53118—L. E. Craig—*Steam Generator for Heating Purposes.*



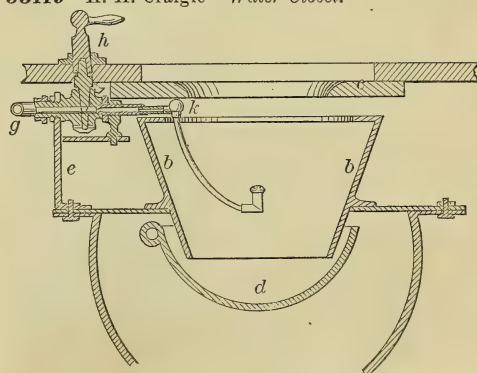
53117—R. Cornelius—*Pump for Deep Wells.*



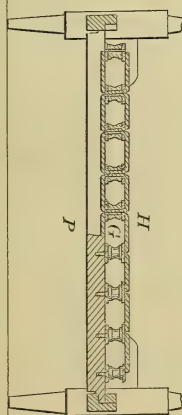
53120—J. Crookes—  
*Saw Grinding Machine.*



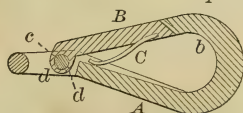
53119—H. H. Craigie—*Water Closet.*

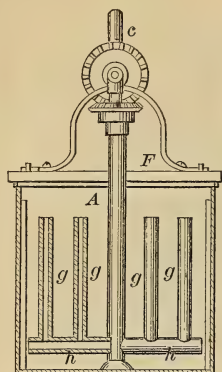
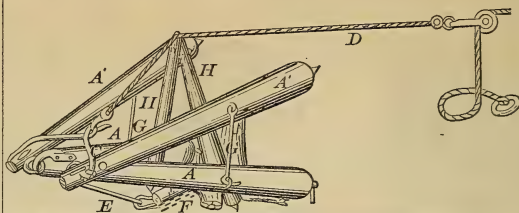
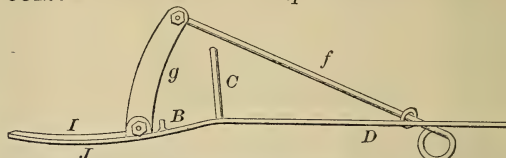
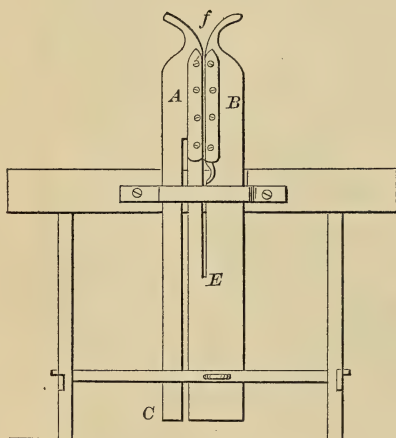
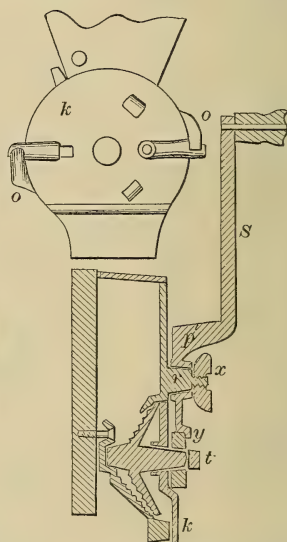
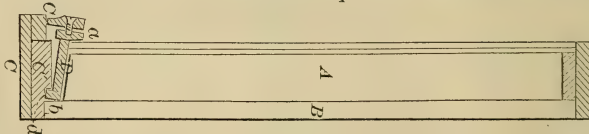
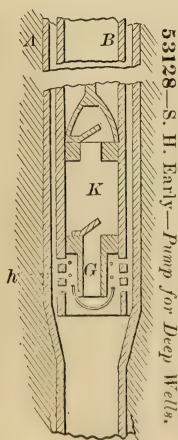
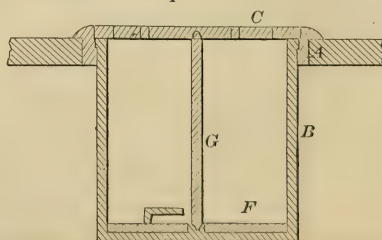


53121—S. H. Crossman—*Bed Bottom.*



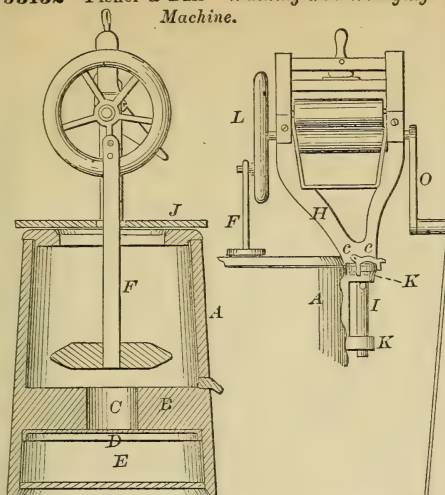
53122—E. S. Dawson—*Snap Hook.*



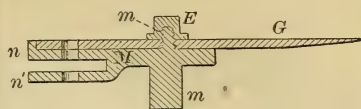
53123—J. Davis, 2d—*Churn.*53125—Dickerson & Wilbur—*Stump Extractor.*53127—L. Duvall—*Combined Spade and Fork.*53126—K. W. Doudna—*Broom Corn and Sorghum Stripper.*53129—C. R. Edwards—*Coffee Mill.*53130—E. C. Evans—*Weather Strip.*53131—F. L. Faulkner—*Spittoon.*53128—S. H. Early—*Pump for Deep Wells.*



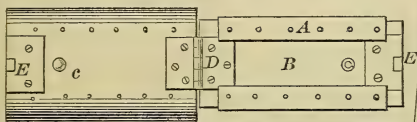
53132—Fisher & Ball—*Washing and Wringing Machine.*



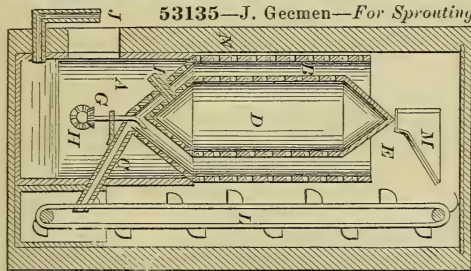
53137—W. F. Goodwin—*Harvester.*



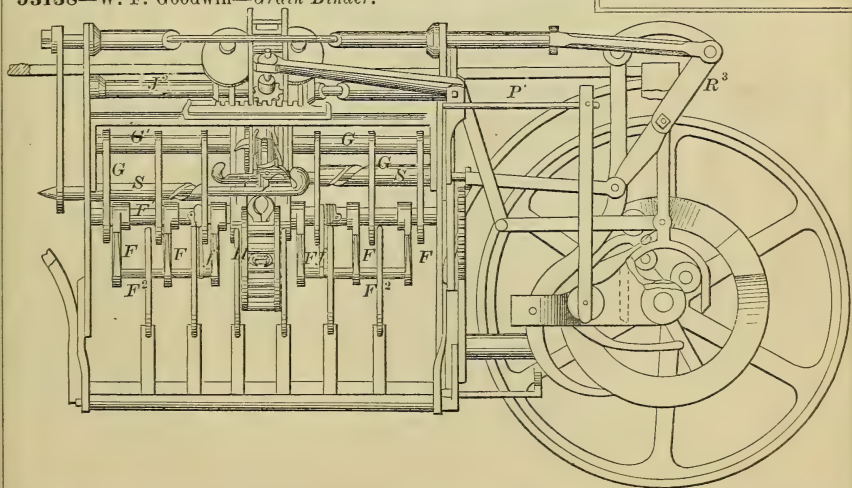
53133—T. B. Fitch—*Sand Paper Holder.*



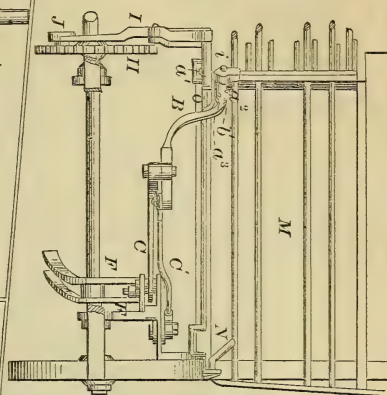
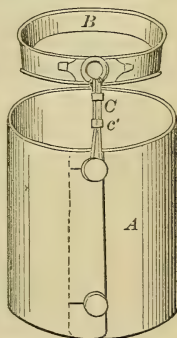
53135—J. Gecmen—*For Sprouting Malt.*



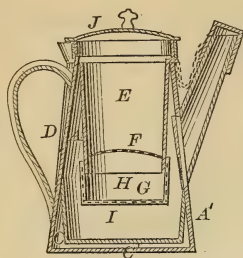
53138—W. F. Goodwin—*Grain Binder*.



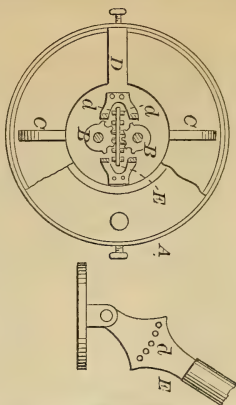
53136—W. F. Goodwin—*Harvester Race*.

53134—P. T. Gates—*Wristband.*

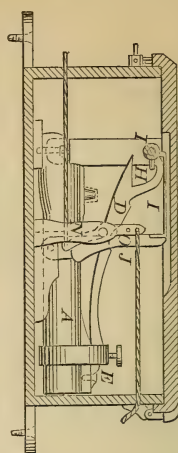
53139—J. C. Gove—*Coffee Pot.*



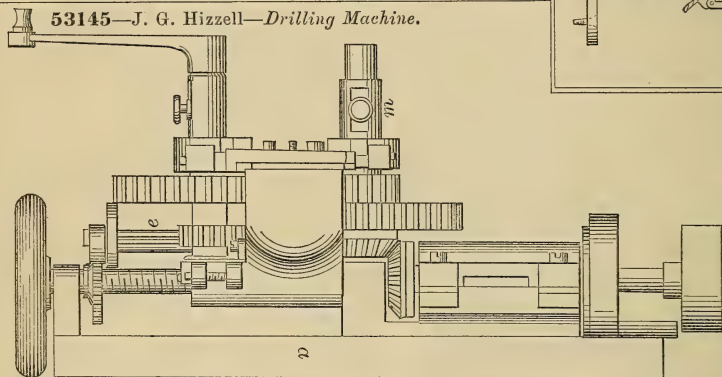
53141—A. Hamlin—*Churn.*



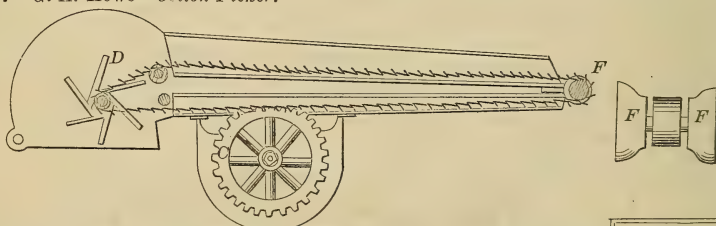
53144—M. C. Heptinstall—*Burglar Alarm.*



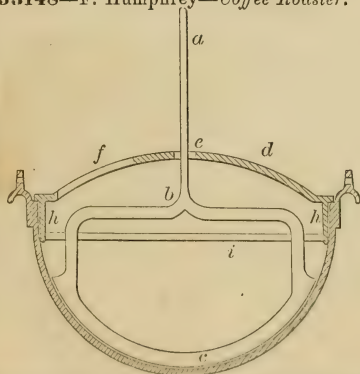
53145—J. G. Hizzell—*Drilling Machine.*



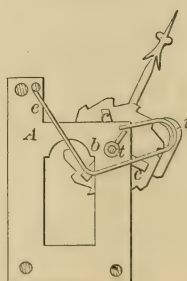
53147—G. A. Howe—*Cotton Picker.*



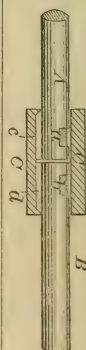
53148—F. Humphrey—*Coffee Roaster.*



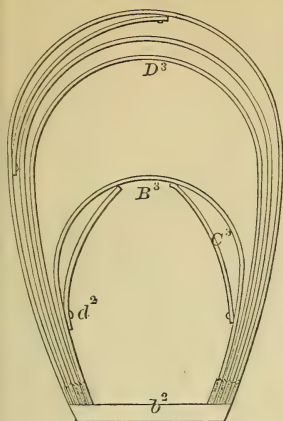
53146—H. J. Holden—*Time Piece.*



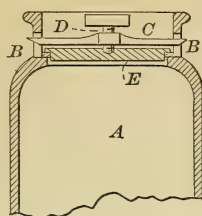
53143—M. Hawkins—*Shaft Coupling.*



**53149**—J. H. Jennings—*Musquito Bar.*



**53151**—J. Johnson—*Fruit Jar.*



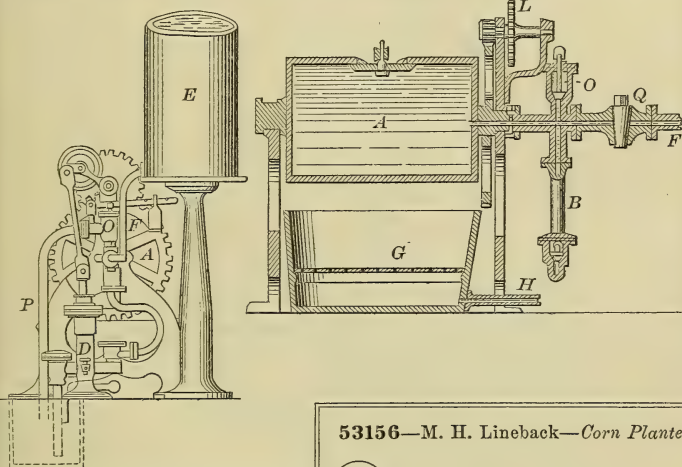
**53155**—J. L. Lewis—*Making Axes.*



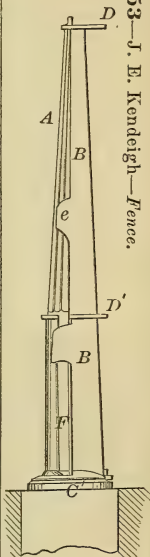
**53150**—J. H. Jennings—*Securing Tips to Boots and Shoes.*



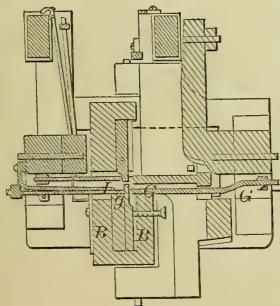
**53152**—Jones & Farquharson—*For Bleaching Paper Pulp.*



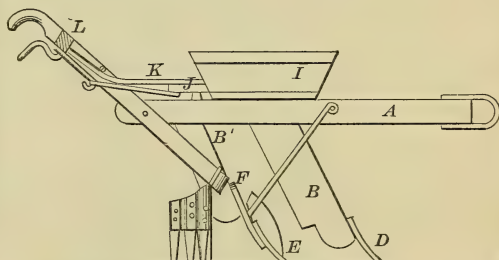
**53153**—J. E. Kendeligh—*Fence.*



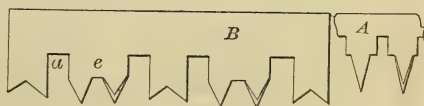
**53154**—N. & N. H. Leonard—*Tack and Nail Machine.*



**53156**—M. H. Lineback—*Corn Planter Cultivator.*

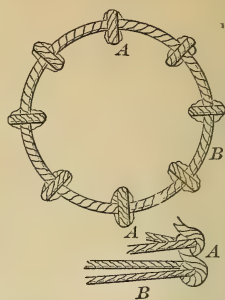


**53157**—J. Lippincott—*Saw.*

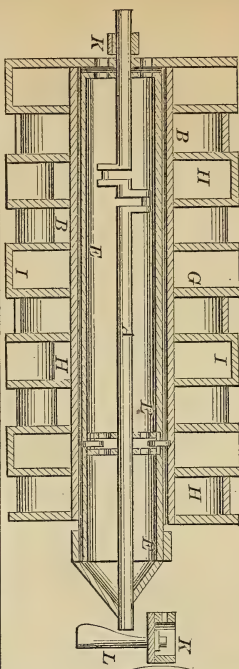




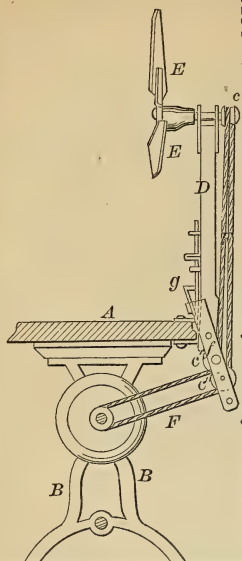
**53161**—McAuley & Cheney—  
Covering for Hose.



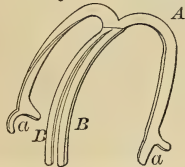
**53160**—D. F. Masnata—Rotary Steam Ship.



**53158**—T. R. Lovett—Fan Attachment for Sewing Machines.



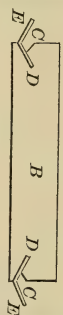
**53163**—J. L. Meek—For  
Parting Ladies' Hair.



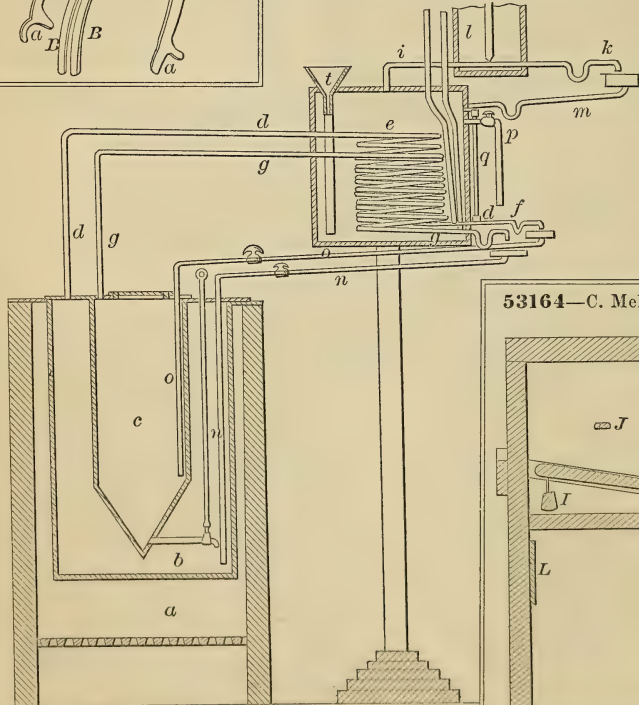
**53166**—T. D. Miller—Pencil Pocket.



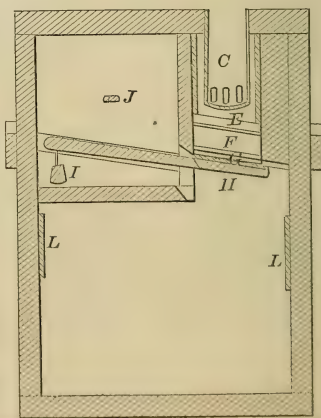
**53162**—J. McVay—Roofing.



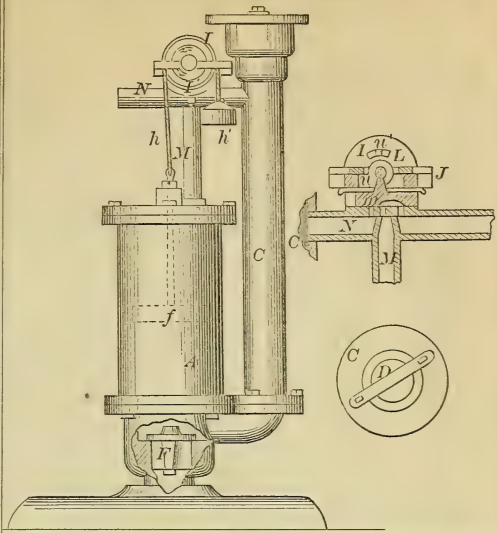
**53167**—A. Millochau—Distillation of  
Petroleum.



**53164**—C. Melone—Animal Trap.



53170—J. C. Morgan—Steam Pump.



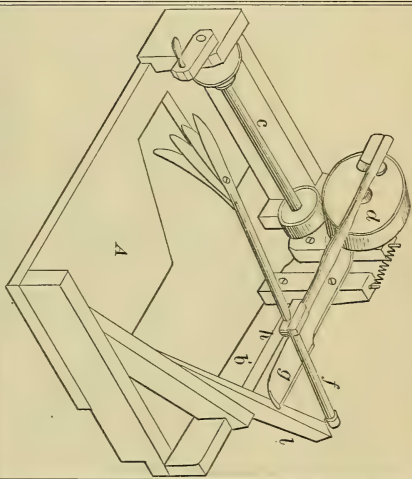
53168—A. Moffatt—Priming Cartridge.



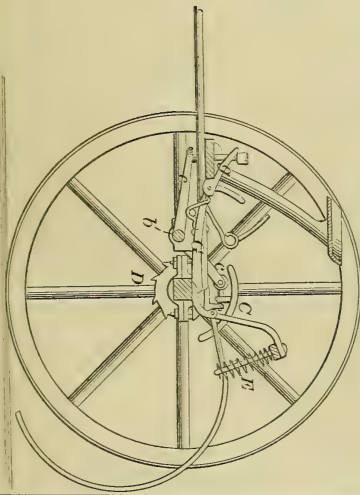
53173—E. T. Orme—Tin Can Opener.



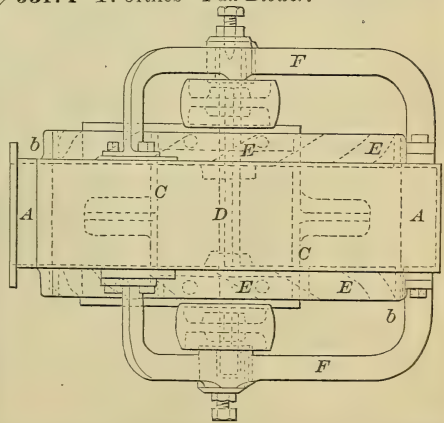
53171—J. Munna—Harvester Reel.



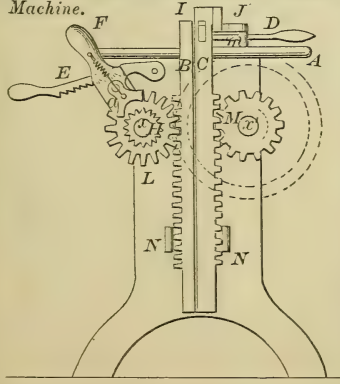
53172—S. R. Nye—Horse Reel.



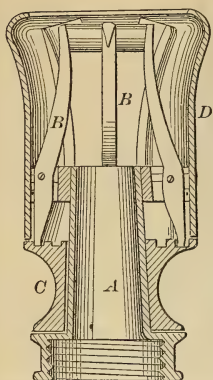
53174—F. Ortlieb—Fan Blower.



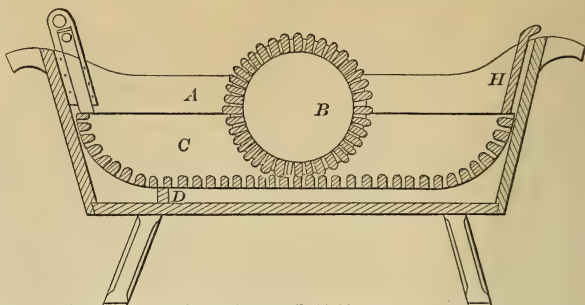
53169—C. Montague—Paper Cutting Machine.



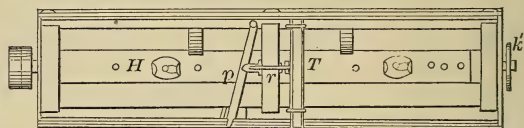
**53175**—C. Oyston—  
*Nozzle for Fire Engines.*



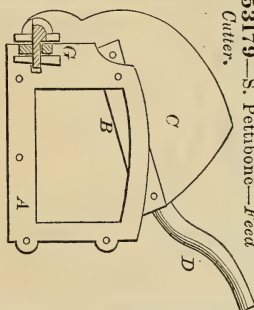
**53176**—E. C. Patterson—*Washing and Wringing Machine.*



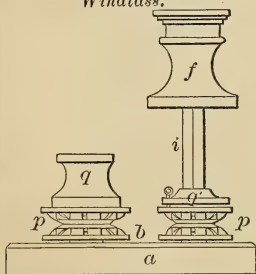
**53177**—J. Peacock—*Barrel Washing Machine.*



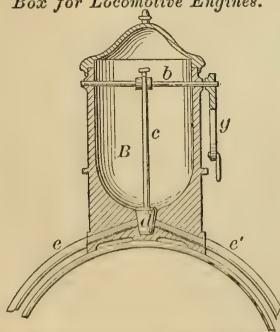
**53179**—S. Pettibone—*Feed Cutter.*



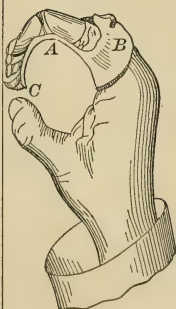
**53178**—C. Perley—*Vertical Windlass.*



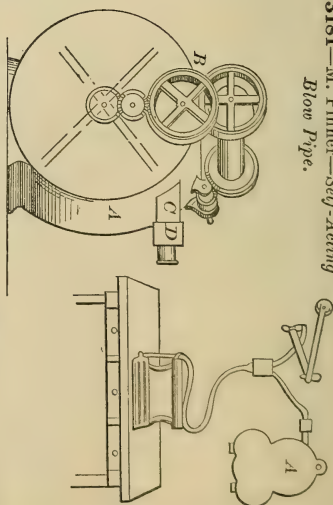
**53182**—Price & Wilson—*Sand Box for Locomotive Engines.*



**53180**  
I. Philbrook—  
*Corn Husker.*

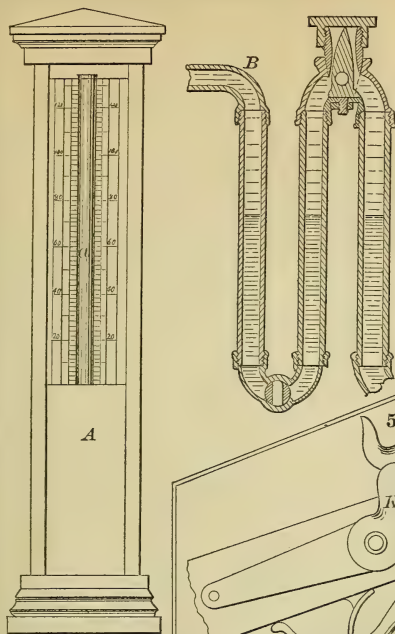


**53181**—M. Pinner—*Self-Acting Blow Pipe.*

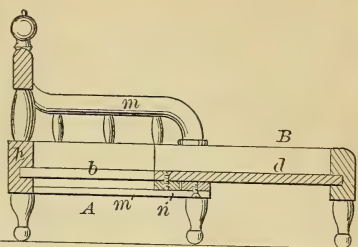




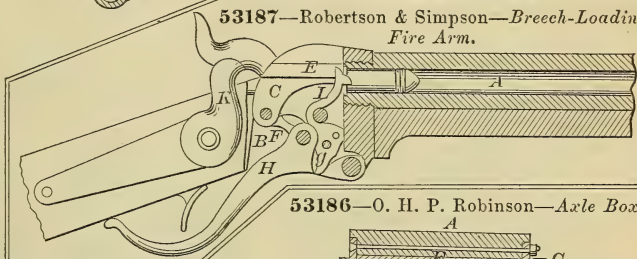
53183—E. Quinn—*Steam Gauge.*



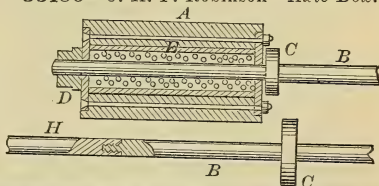
53188—H. S. Rose—*Sofa Bedstead.*



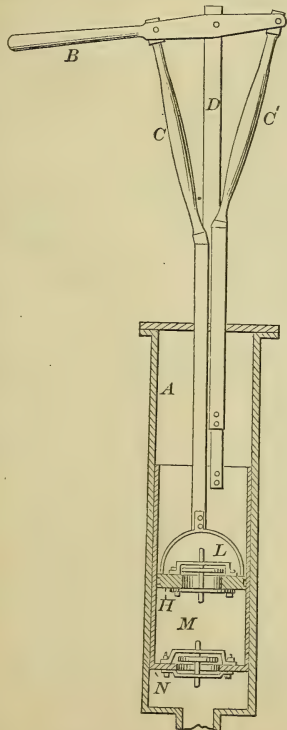
53187—Robertson & Simpson—*Breech-Loading Fire Arm.*



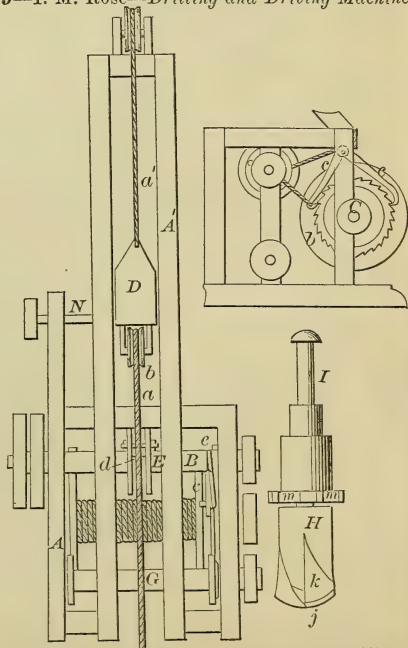
53186—O. H. P. Robinson—*Axle Box.*

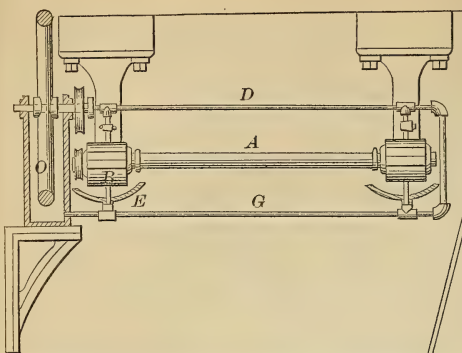
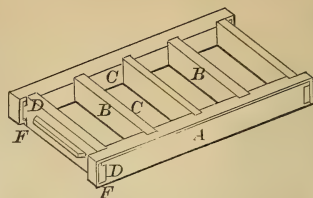
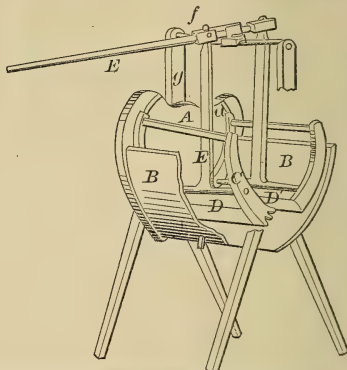
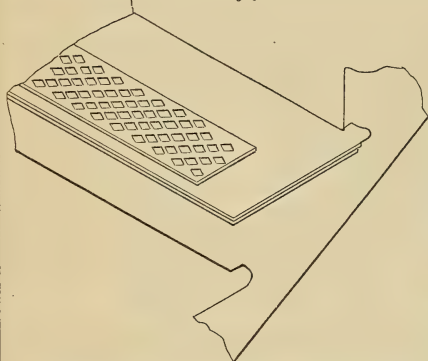
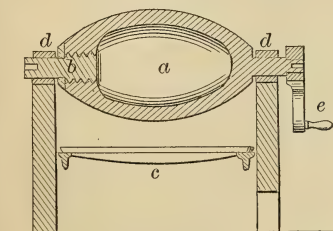
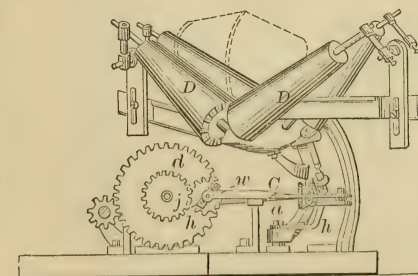
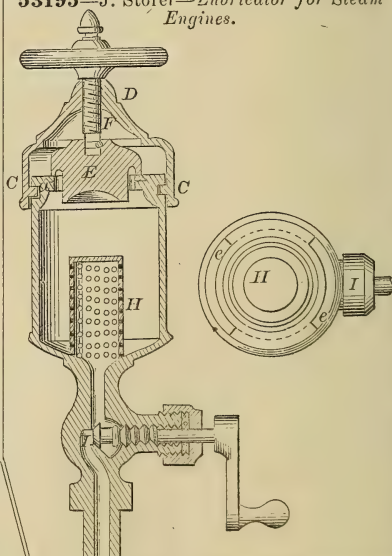
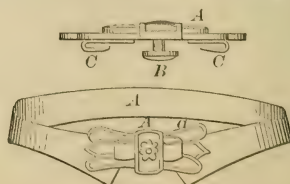


53185—A. Rewerick—*Pump.*

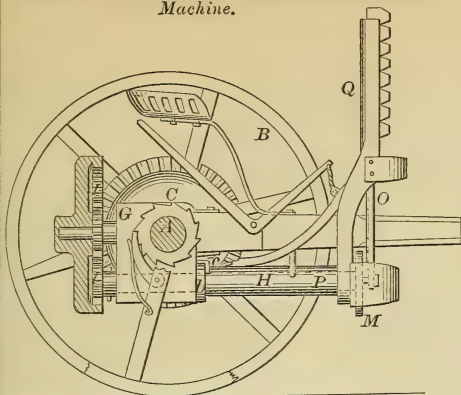


53189—I. M. Rose—*Drilling and Driving Machine.*

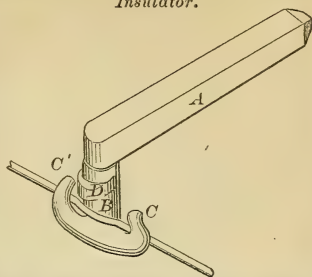


53190—G. Scott—*Lubricator.*53191—S. Shreffler—*Brick Mould.*53192—C. F. Smith—*Butter Worker.*53193—O. Snow—*Facing for Stair Treads.*53194—J. F. Staats—*Amalgamator.*53196—H. N. Swift—*Hat Forming Machine.*53195—J. Storer—*Lubricator for Steam Engines.*53197—G. B. Taylor—*Neck Tie.*

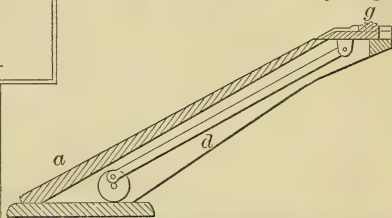
53198—D. H. Thayer—Reaping and Mowing Machine.



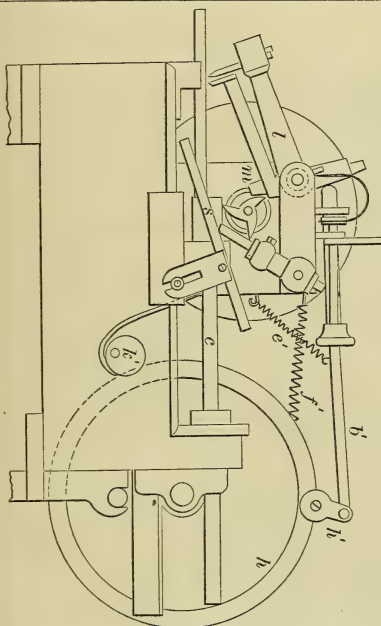
53201—W. W. Waddell—Telegraph Insulator.



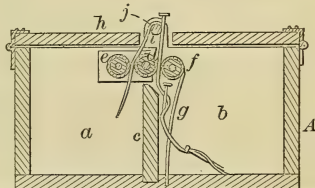
53200—E. Townsend—Peg Rasper.



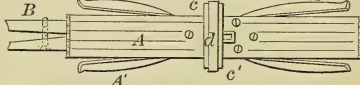
53204—A. Weed—File Cutting Machine.



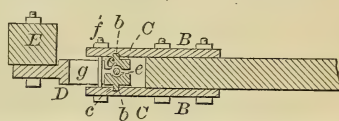
53199—C. L. Toplift—Pin Feeding.



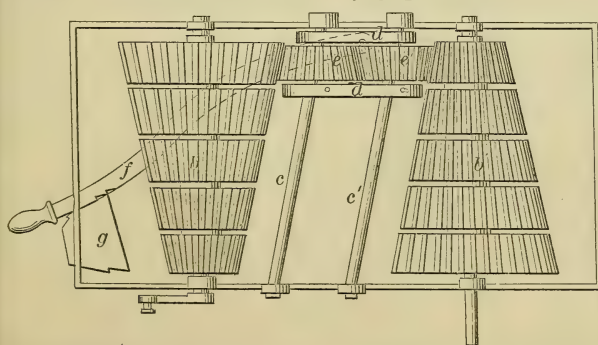
53203—H. Waterman—Cleaning Boiler Tubes.



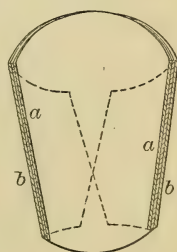
53205—W. S. Weir, Jr.—Cultivator.



53202—J. H. Wait—Device for Changing Speed.

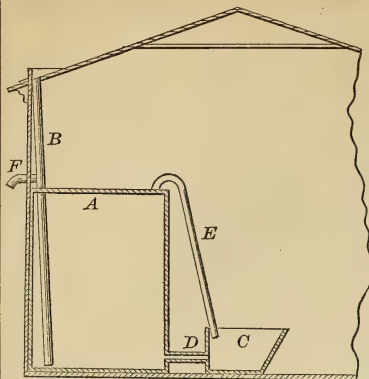


53206—J. W. Weston—Lining for Artificial Limbs.

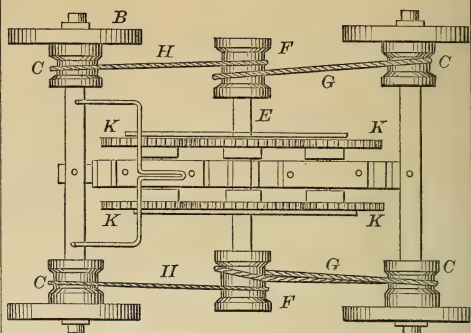




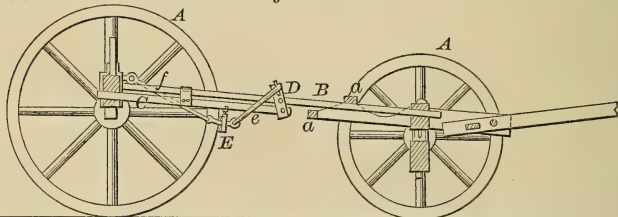
53207—O. Wheedon—*Watering Cattle.*



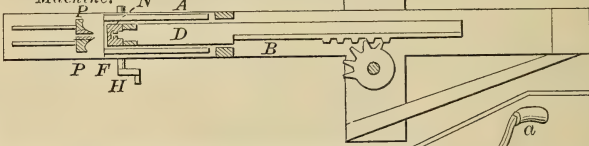
**53209**—J. G. Wilkison—*Propelling Wheeled Vehicles.*



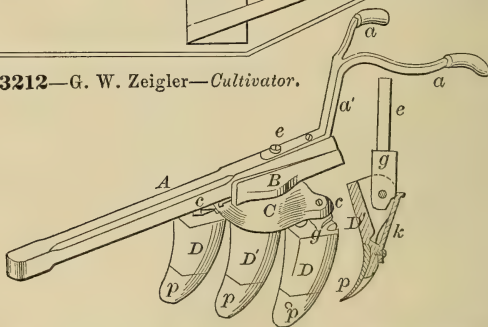
53210—J. H. Wilkison—*Wagon Brake.*



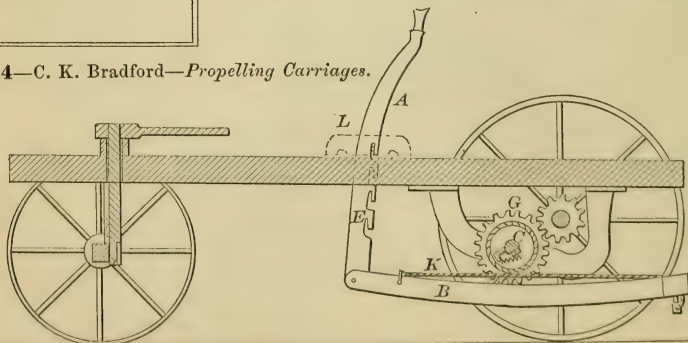
**53211**—Winfield & Colwell—*Stave Machine.*—N 4



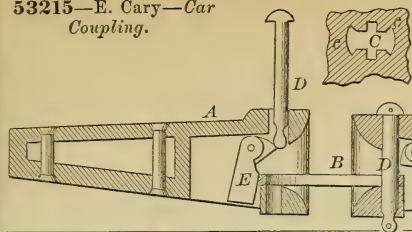
53212—G. W. Zeigler—*Cultivator*.



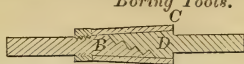
53214—C. K. Bradford—*Propelling Carriages.*



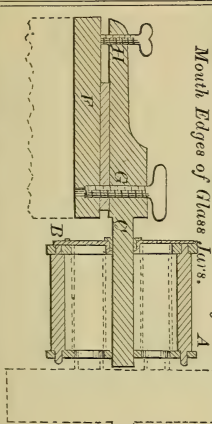
53215—E. Cary—Car  
Coupling.



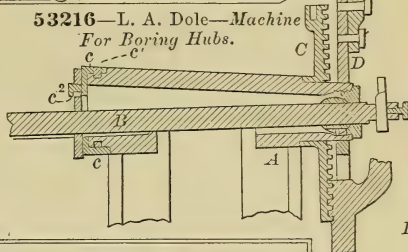
53219—S. Fawcett—Coupling Shaft for  
Boring Tools.



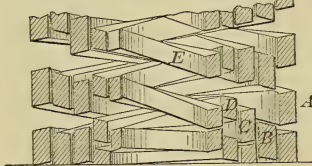
53218—O. O. G. Elliott—Grinding the  
Mouth Edges of Glass Jars.



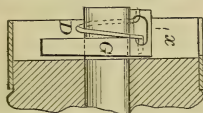
53216—L. A. Dole—Machine  
For Boring Hubs.



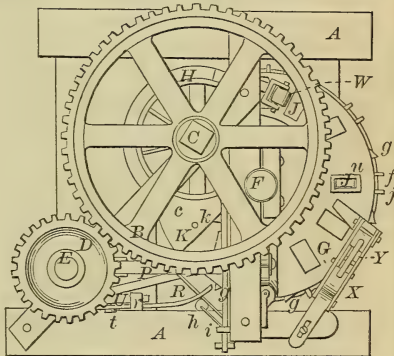
53222—A. Hebbard—Car Spring.



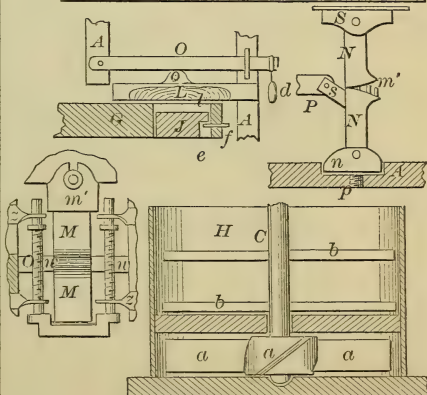
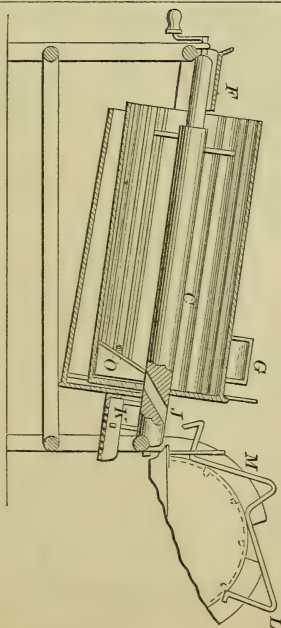
53220—L. B. Gusman—Linch Pin.

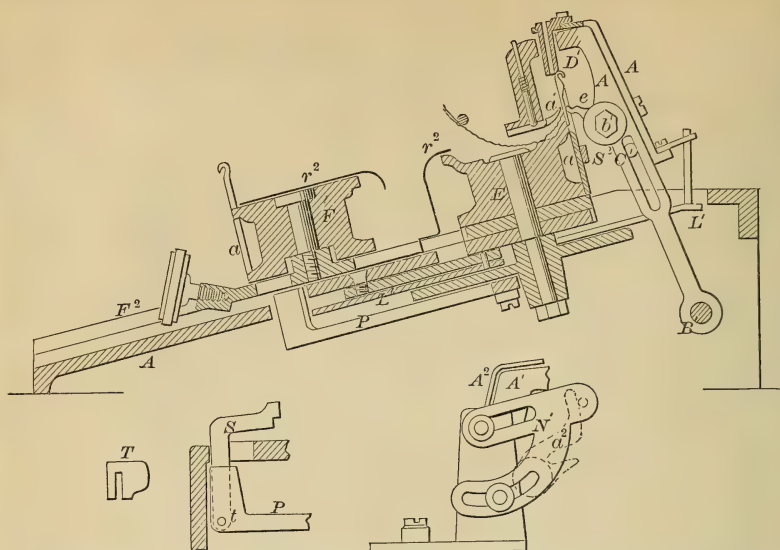
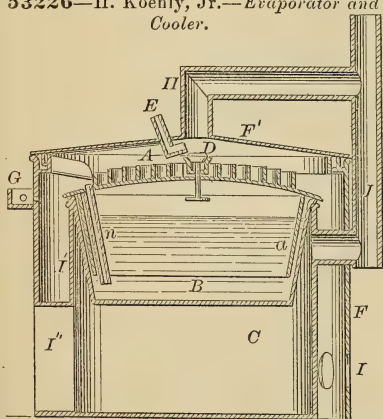
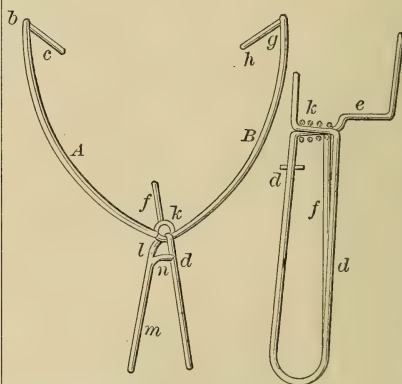
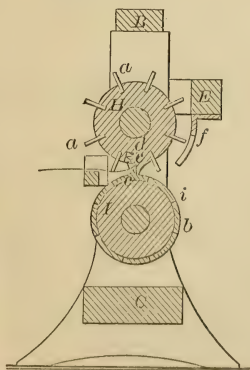
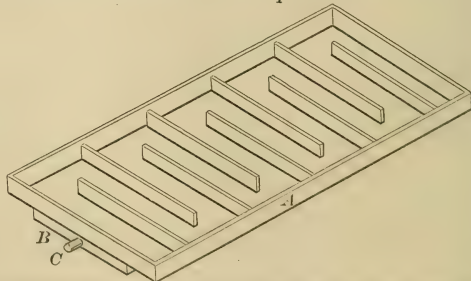
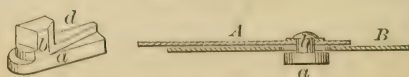


53223—J. Hotchkiss—Brick Machine.



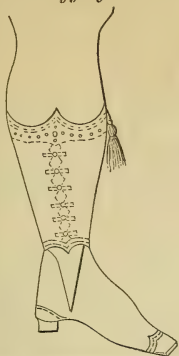
53221—G. B. Hamilton—Ore Washer.



53224—J. A. & H. A. House—*Knitting Machine.*53226—H. Koehly, Jr.—*Evaporator and Cooler.*53227—A. Lawrence—*Pie or Plate Tongs.*53228—A. Leland—*Perforating Metal Bands.*53229—C. & D. Mercer—*Evaporator.*53230—J. F. Milligan—*Fastening for Bale Hoops.*



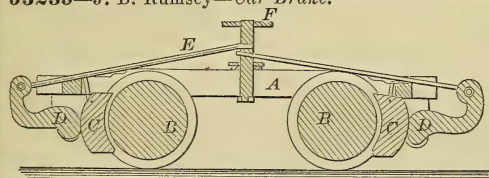
53231—A. L. Munson—*Leggings.*



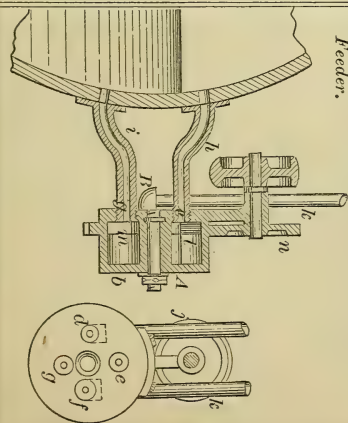
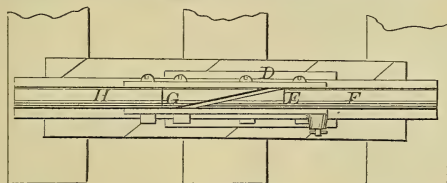
53234—  
J. F. Richards—*Eyelet.*



53235—J. B. Rumsey—*Car Brake.*

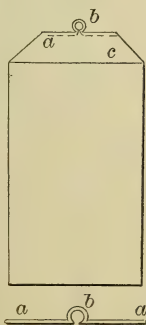


53240—H. Baines—*Railroad Track.*

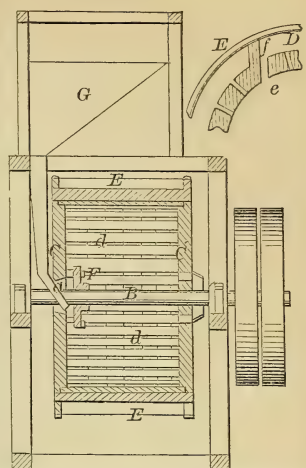


53238—J. R. Widgson—*Automatic Boiler Feeder.*

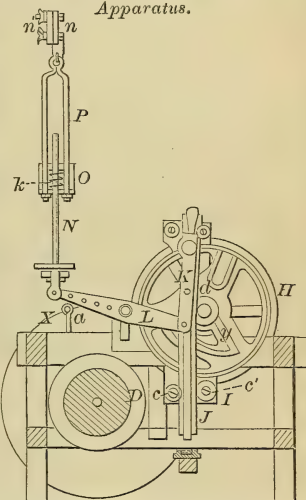
53233—  
M. J. Proctor—*Direction Label.*



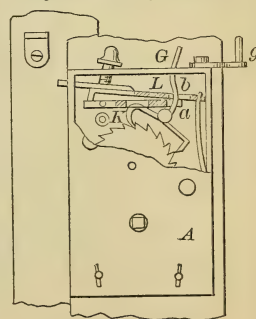
53237—F. Sundell—*Quartz Mill.*



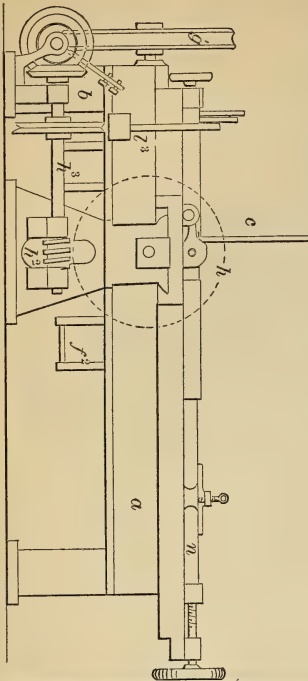
53232—T. J. Parke—*Well Boring Apparatus.*



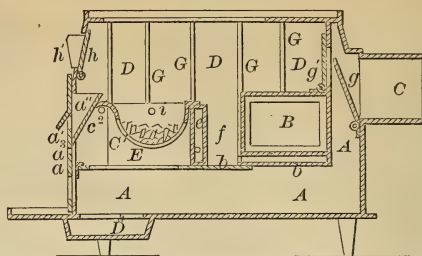
53239—W. H. Winans—*Burglar Alarm for Windows.*



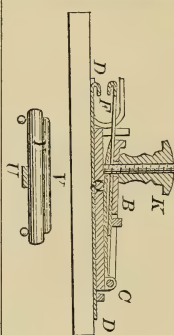
53242—E. Lord—For Bending Cranks on Rods.



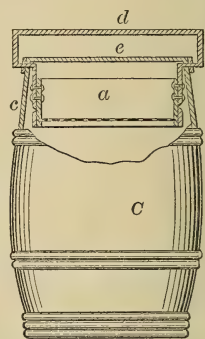
53252—F. E. Adam—Stove.



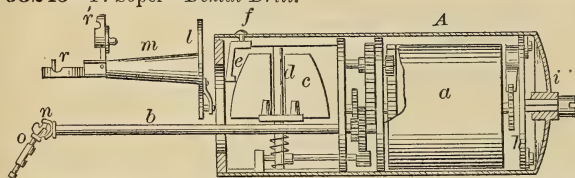
53243—T. Rogers—Binder Guide for Sewing Machines.



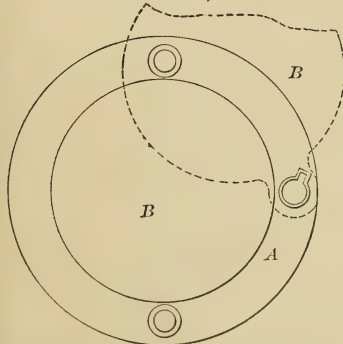
53254—E. G. Anthony—Coal Sifter.



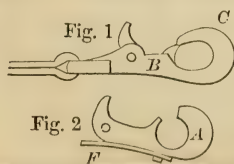
53245—P. Soper—Dental Drill.



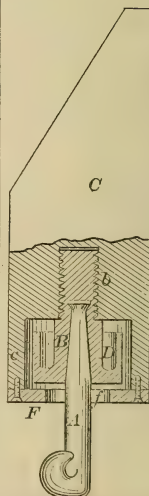
53251—D. J. Littlefield—Attaching Covers to Stoves, &amp;c.



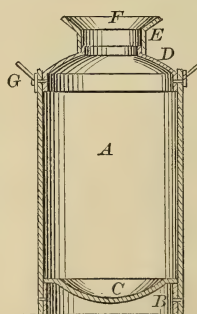
53255—W. Armstrong—Snap Hook.



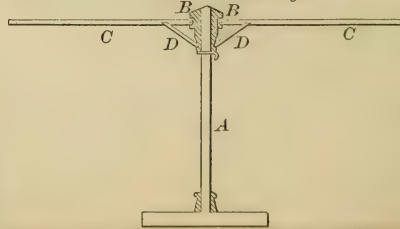
53246—W. W. Smith—Telegraph Insulator.



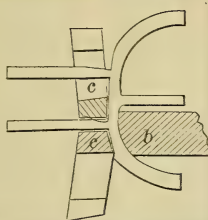
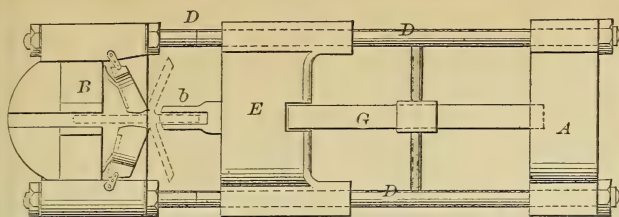
53256—N. P. Barnes—Milk Can.



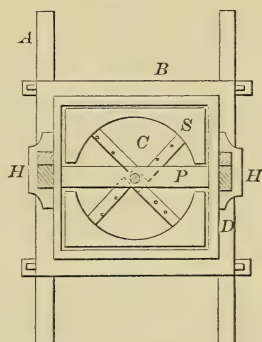
53257—J. Barnett—Clothes Dryer.



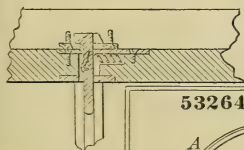
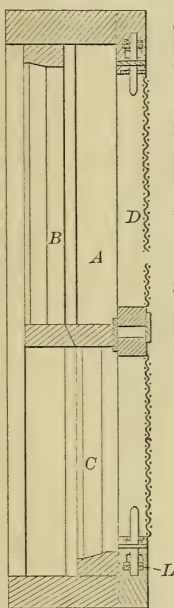
53558—J. C. Batcheller—Forming Shoulders on Forks.



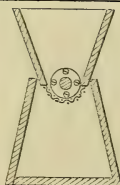
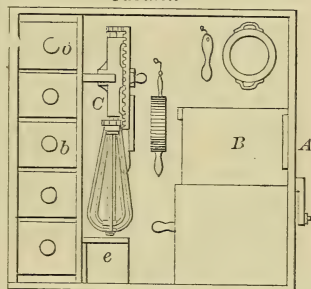
53262—A. T. Bleyley—Vegetable Cutter.



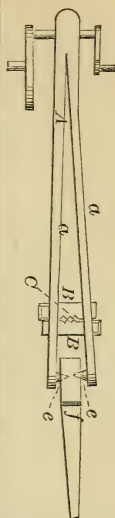
53259—E. F. Beal—Window Screen.



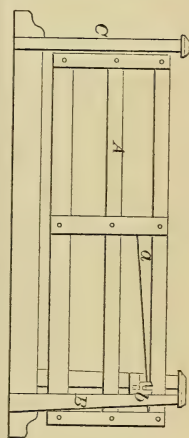
53260—J. Billings—Culinary Cabinet.



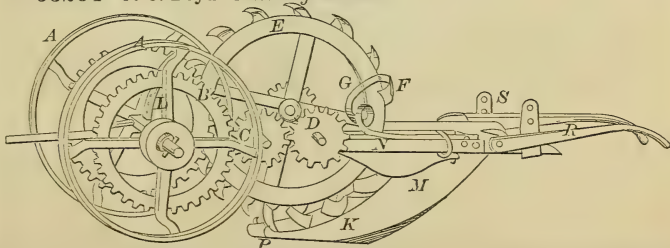
53261—H. Bishop—Pitman Coupling for Harrowers.



53263—A. T. Boon—Gate.

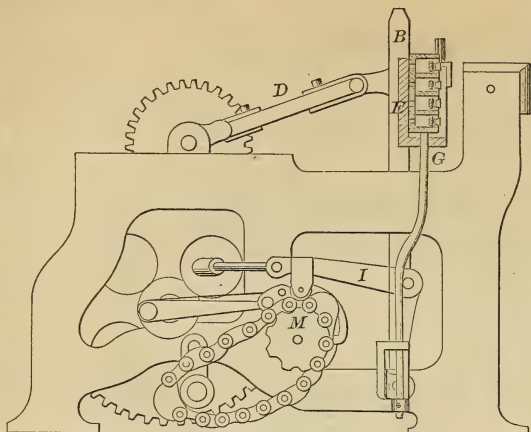


53264—J. C. Boyd—Ditching Machine.

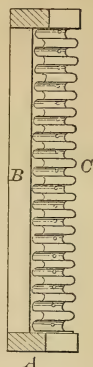




53265—J. Braun—Loom.



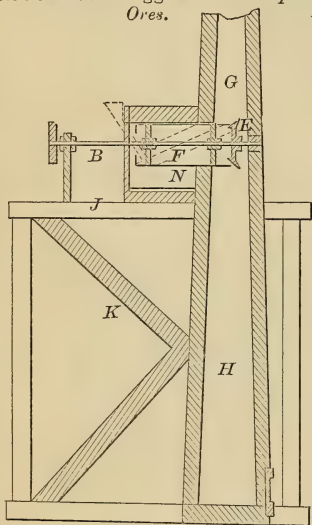
53268—A. Burbank—Flour Bolt and Bran Duster.



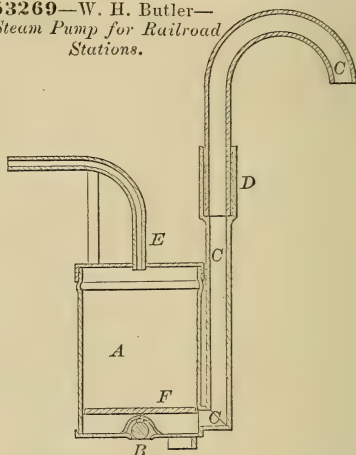
53274—Cooper &amp; Southworth—Bonnet Frame.



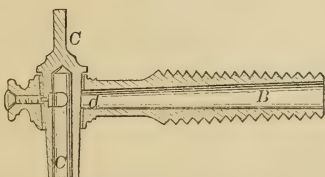
53266—J. S. Briggs—For Desulphurizing Ores.



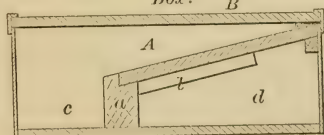
53269—W. H. Butler—Steam Pump for Railroad Stations.



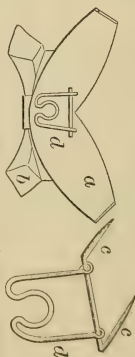
53271—W. Cleveland—Stop Faucet.



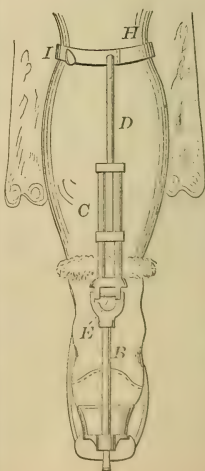
53275—C. D. Copeland—Knife Cleaning Box.



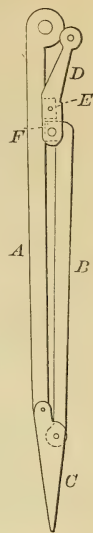
53272—J. R. Cluxton—Neck Tie.



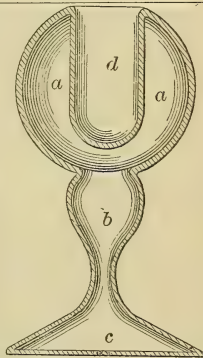
53276—R. Cunningham—Ankle Supporter.



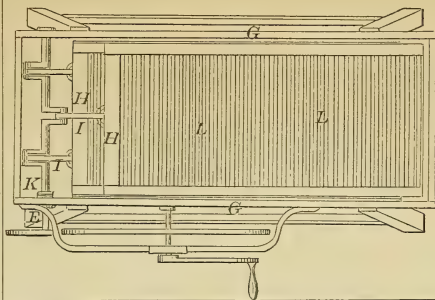
53286—Fisher & Ball—Horse Hay Fork.



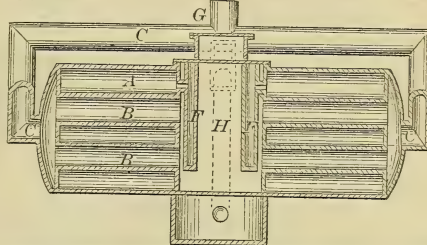
53279—E. Dithridge—Bouquet Holder.



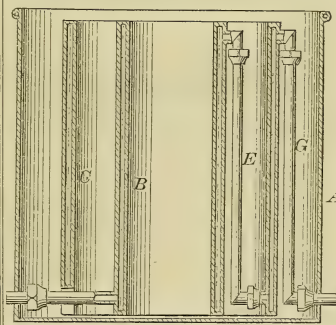
53278—D. Dishart—Washing Machine.



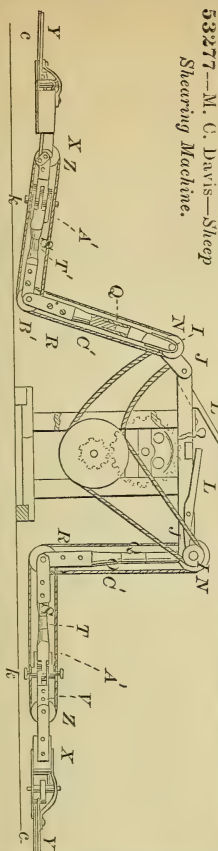
53284—J. Firmenich—Steam Generator.



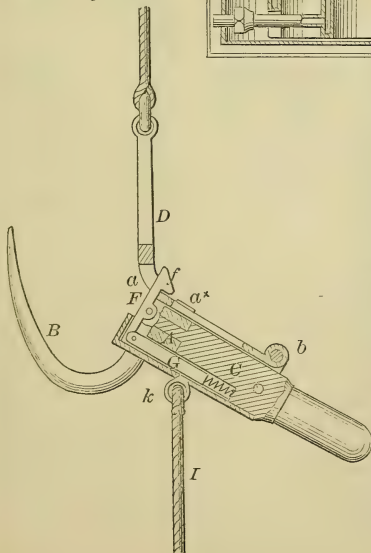
53285—A. Fischer—Beer Cooler, &c.



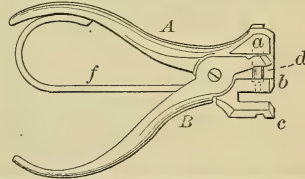
53277—M. C. Davis—Sheep Shearing Machine.



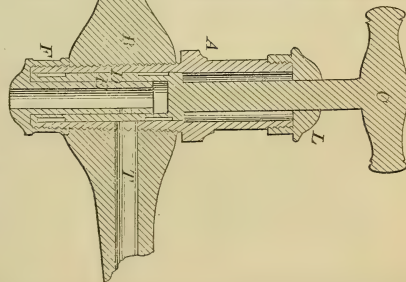
53288—T. Foster—Horse Hay Fork.

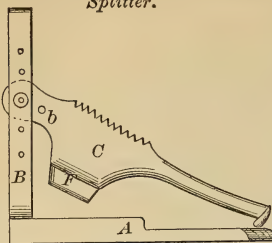
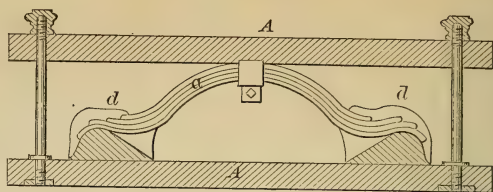
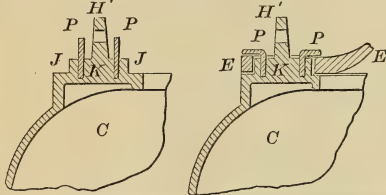
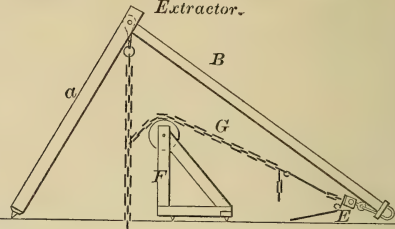
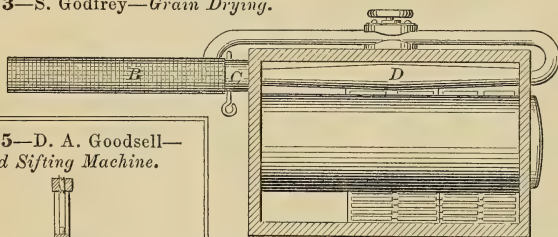
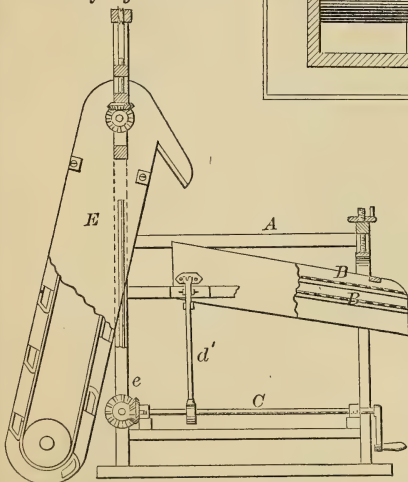
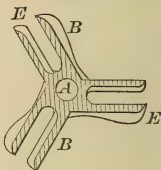
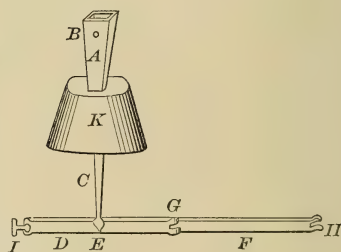
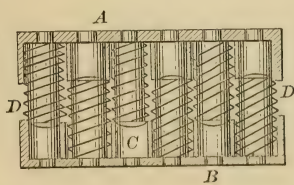
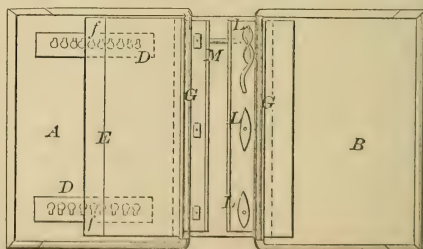


53282—A. L. Eckert—Hand Punch.



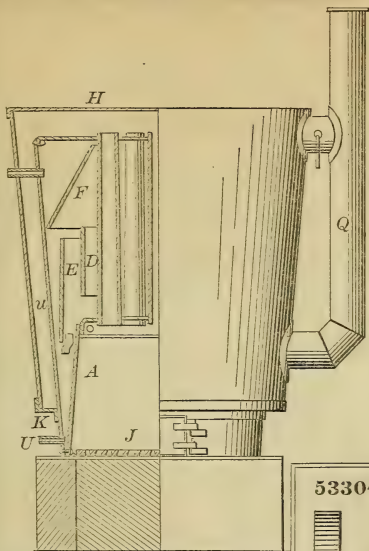
53283—J. Firmenich—Beer Faucet.



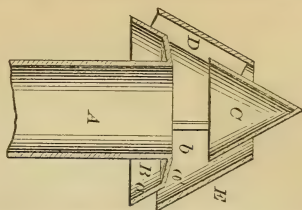
**53289**—G. B. Fowler—*Wood Splitter.***53291**—J. J. Gest—*Car Spring.***53290**—C. Fownes—*Kettle Cover Fastening.***53294**—J. H. Green—*Stump or Stone Extractor.***53293**—S. Godfrey—*Grain Drying.***53295**—D. A. Goodsell—*Sand Sifting Machine.***53297**—Harrington & Caffrey—*Propeller Wheel.***53296**—N. Hall—*Broom Head.***53292**—J. J. Gest—*Car Spring.***53299**—L. Heyl—*Portfolio.*



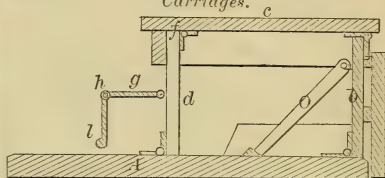
53300—J. M. Hicks—*Steam Generator.*



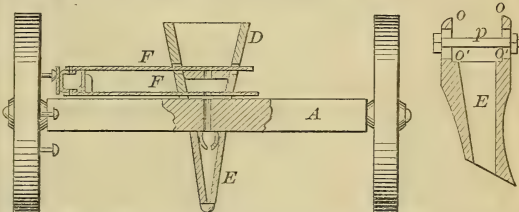
53301—W. H. Horton—*Chimney Cap.*



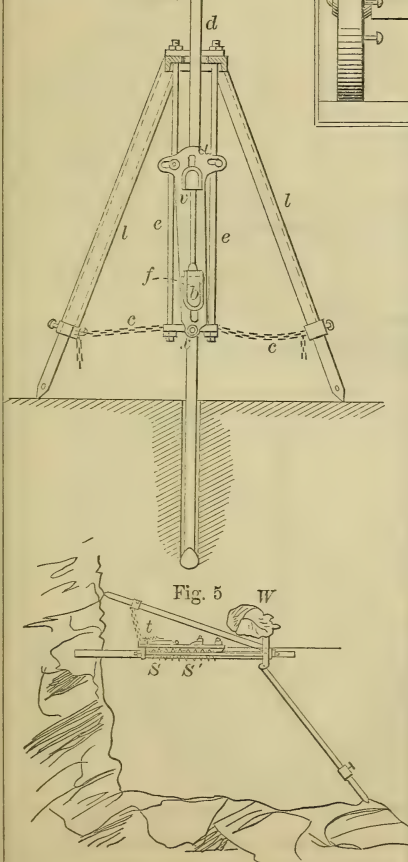
53302—P. F. Hulbert—*Step Block for Carriages.*



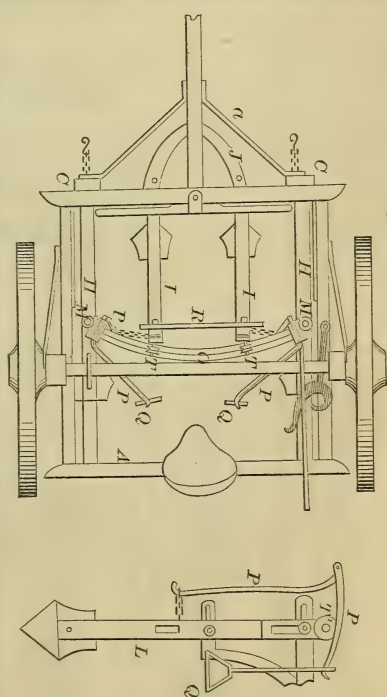
53304—R. Ketcham—*Seed Planter.*

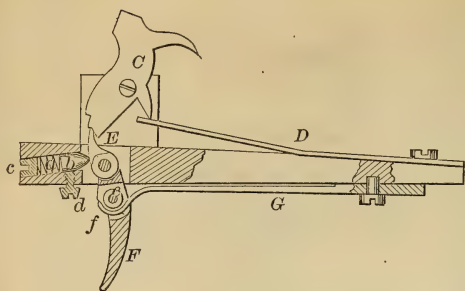
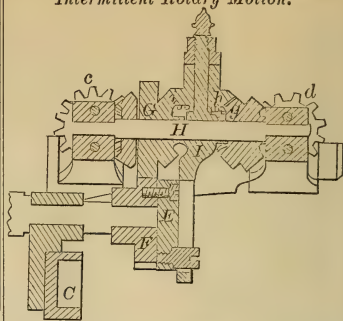
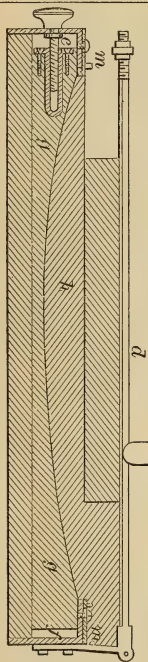
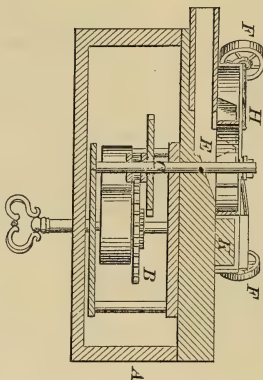
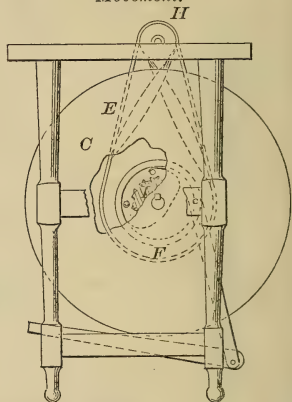
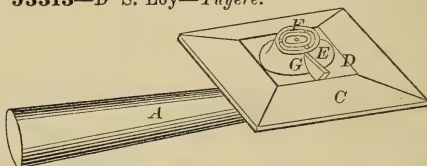
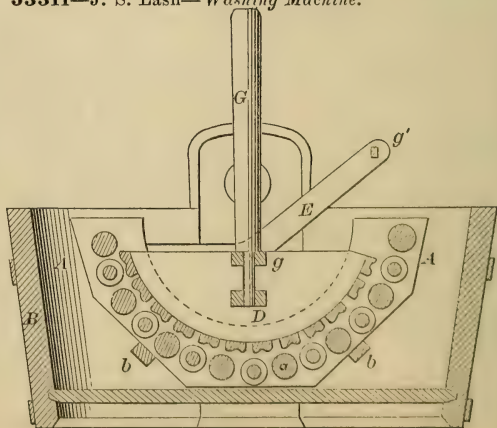
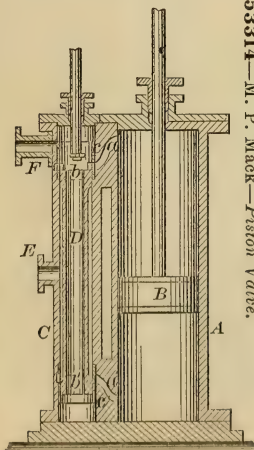


53305—W. R. King—*Rock Drill.*

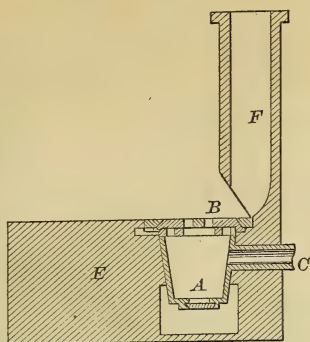


53303—M. H. Hallinger—*Cultivator.*

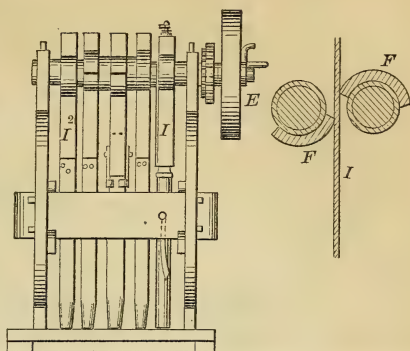


**53306**—E. C. Kirk—*Gun Lock.***53308**—L. J. Knowles—*Obtaining Intermittent Rotary Motion.***53309**—J. Koehler—*Lithographic Bed.***53310**—D. Lake—*Fly Trap.***53312**—C. B. Lewis—*Mechanical Movement.***53313**—D. S. Loy—*Tuyere.***53311**—J. S. Lash—*Washing Machine.***53314**—M. P. Mack—*Piston Valve.*

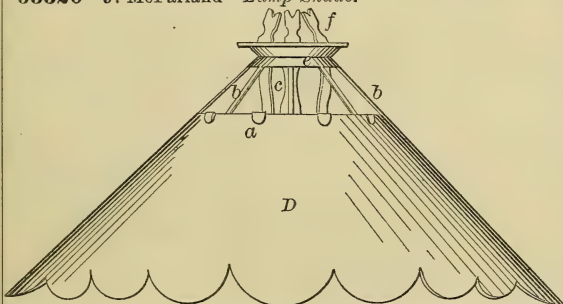
53315—D. J. Martin—*Tuyere.*



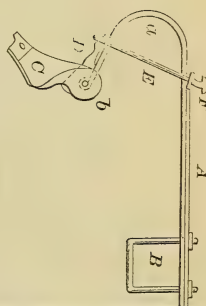
53319—J. M. May—*Quartz Crusher.*



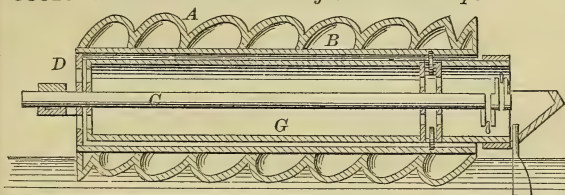
53320—J. McFarland—*Lamp Shade.*



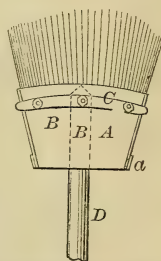
53317—J. A. Mathews—*Railway  
Track Cleaner.*



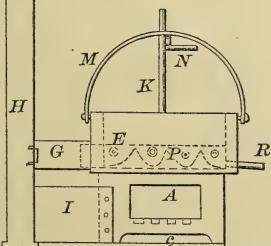
53316—D. E. Masnata—*Revolving Screw Steamship.*



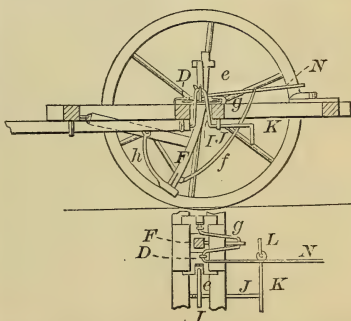
53323—D. P. Myers—*Broom Head.*



53318—S. B. Maulsby—*Evaporator.*



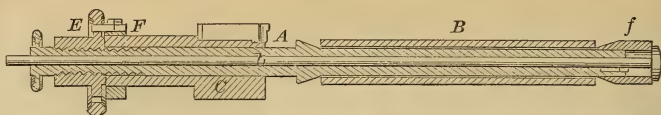
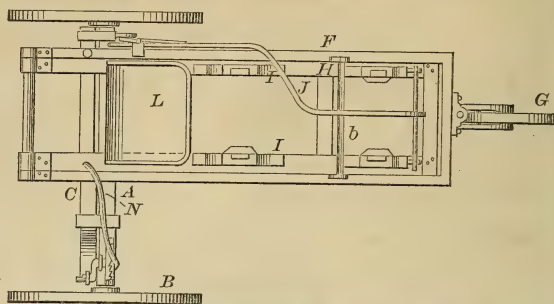
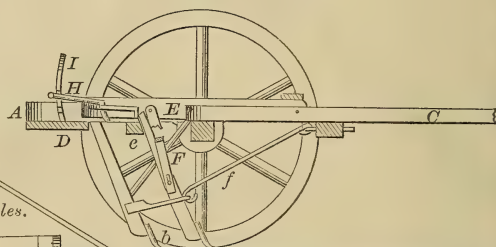
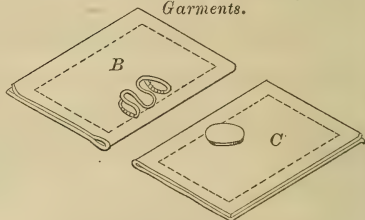
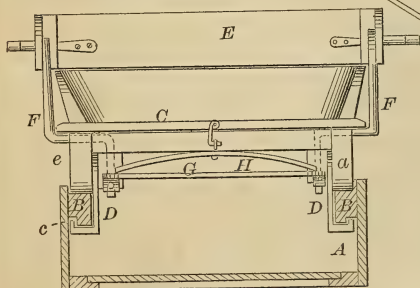
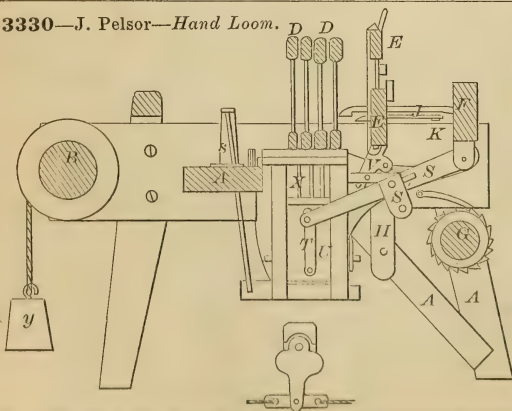
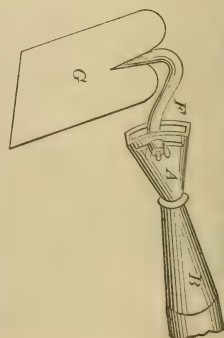
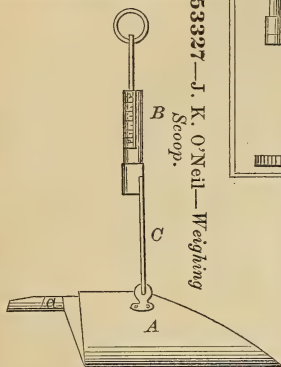
53322—Miner & Heavenridge—*Cultivator Plow.*



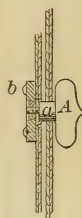
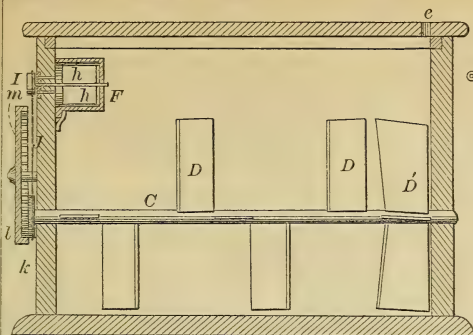
53321—H. L. Meservey—*Washboard.*





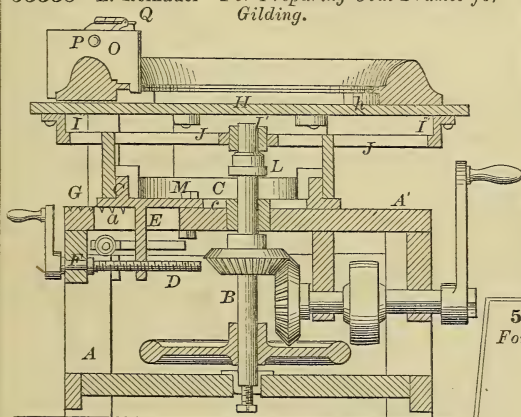
**53325**—D. M. Nichols—*Tool for Cutting Boiler Tubes.***53328**—L. M. Patterson—*Gang Plow.***53326**—D. J. Noble—*Cultivator.***53331**—R. S. Pickett—*Fastening for Garments.***53329**—J. I. Peck—*Seat for Vehicles.***53330**—J. Pelsor—*Hand Loom.***53332**—J. C. Plumer—*Hoe.***53324**—I. Nathan—*Dress Elevator.***53327**—J. K. O'Neil—*Weighing Scoop.*

53335—J. Rankin—*Churn.*

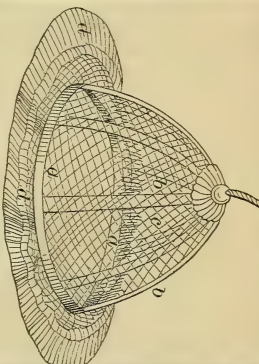



53333—E. H. Porter—*Swivel Button.*

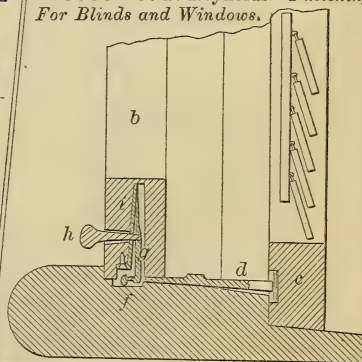
53338—L. Reinauer—*For Preparing Oval Frames for Gilding.*



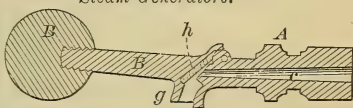
533334—A. D. Puffer<sup>H</sup>—Mosquito Guard.



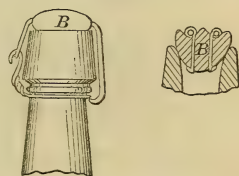
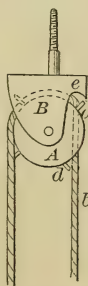
**53339**—G. L. Reynolds—*Fastening For Blinds and Windows.* 



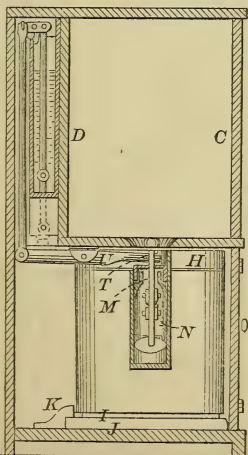
53337—J. Regester—*Try Cock for Steam Generators.*



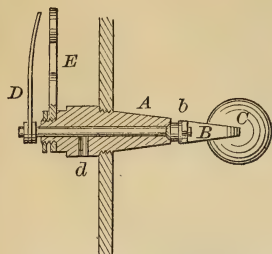
53342—D. T. Robinson—*Bottle Stopper Fastener.*

53341—T. C. Richards—*Self-Stopping Pulley*

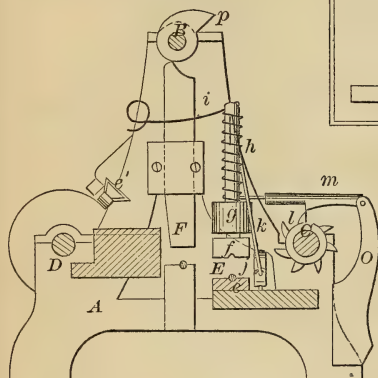
53343—E. Robinson—*Portable Water Closet*



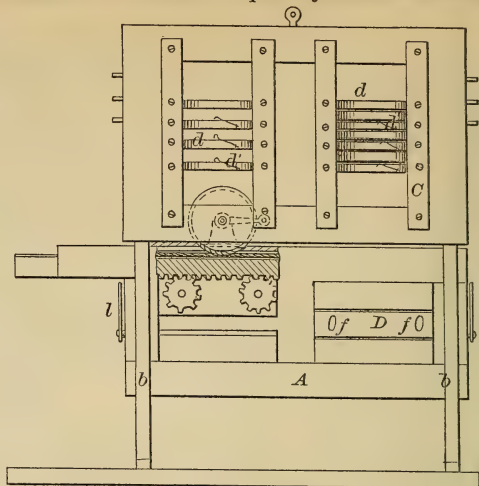
**53344**—M. M. Robinson—*Gauge Cock for Steam Generators.*



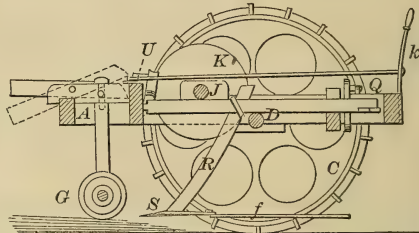
**53351**—F. Schweizer—*Bolt Heading Machine.*



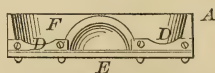
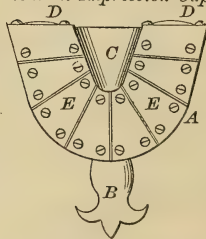
**53350**—J. Schottenfels—*Operating Shuttles in Looms.*



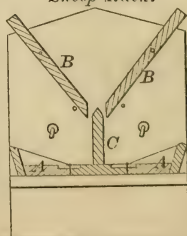
**53349**—L. F. Schanck—*Potato Digger.*



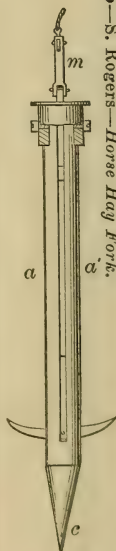
**53347**—G. T. Schaffer—*Dental Impression Cup.*



**53346**—J. Romans—*Sheep Rack.*

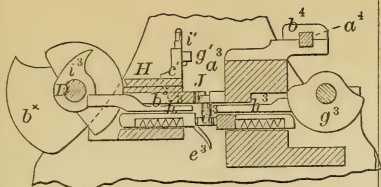


**53345**—S. Rogers—*Horse Hay Fork.*

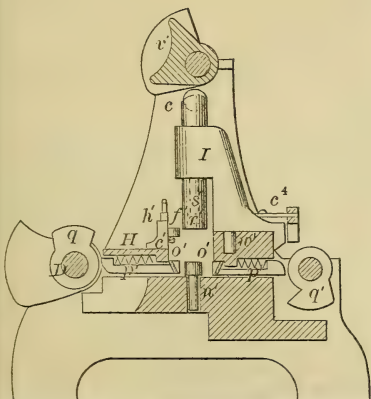
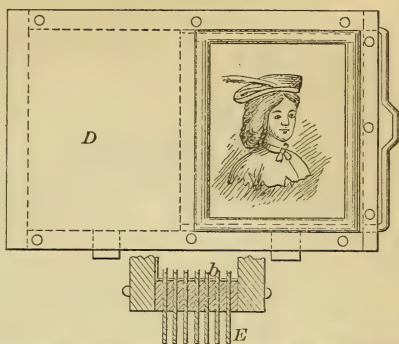




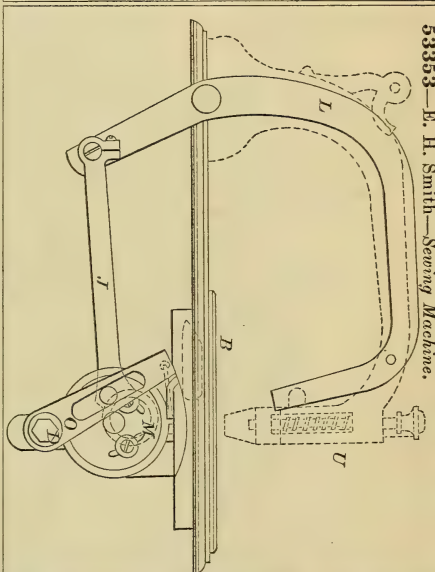
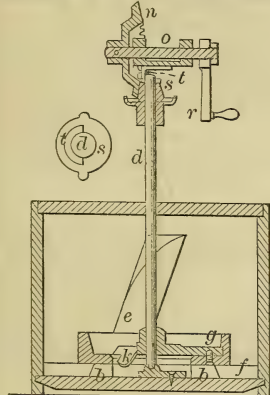
53351—Continued.



53354—J. C. Spooner—Porcelain and Card Album.

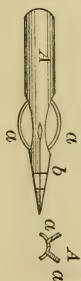
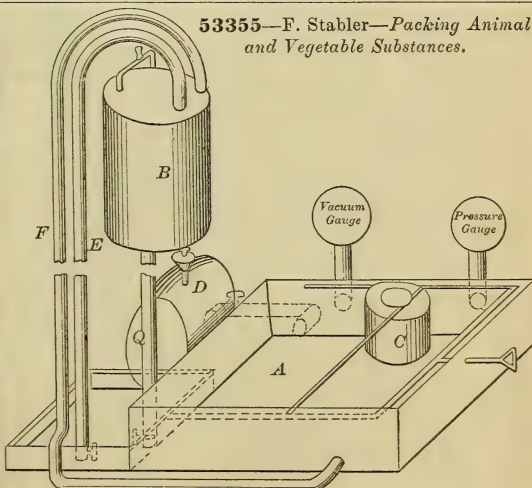


53352—J. C. Scribner—Churn.



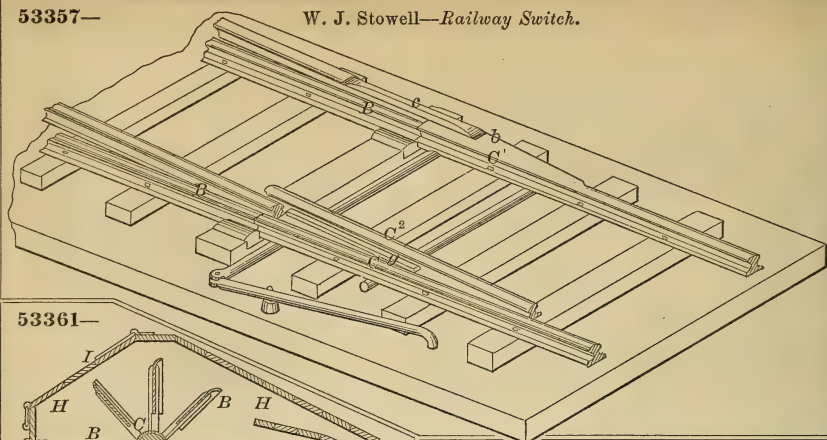
53353—E. H. Smith—Sewing Machine.

53355—F. Stabler—Packing Animal and Vegetable Substances.

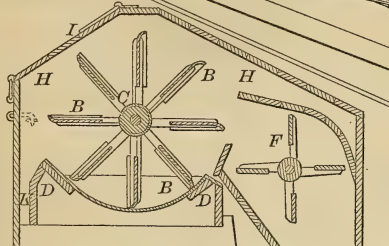
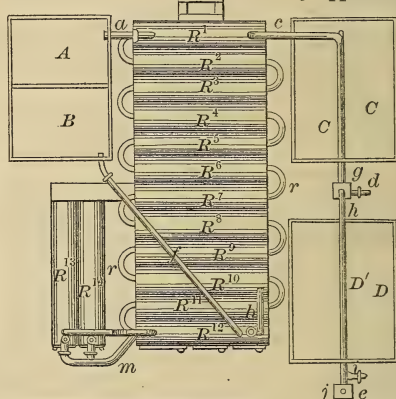
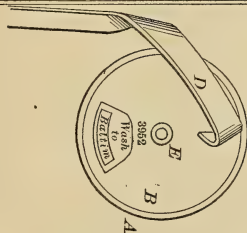
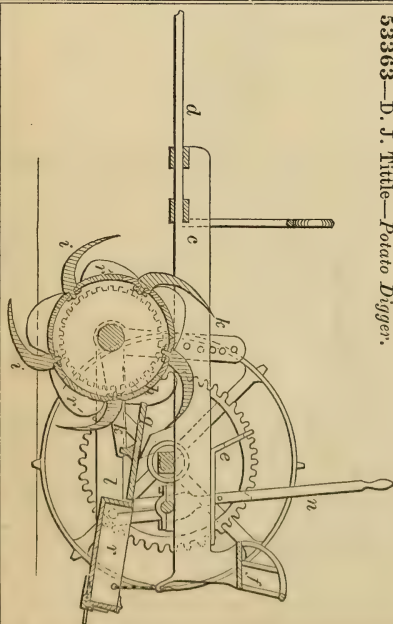
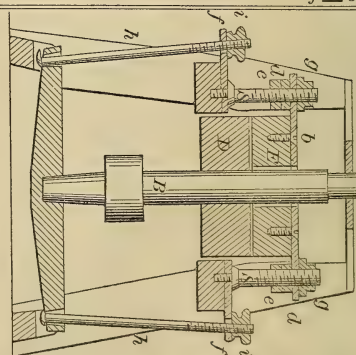
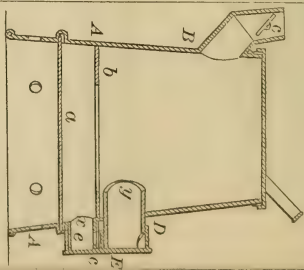


53356—G. Stimpson, Jr.—Pen.

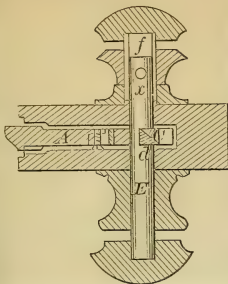
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W. J. Stowell—*Railway Switch.*

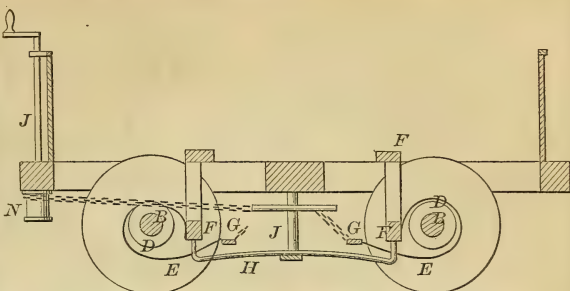
53361—

J. B. Thompson—*Desiccating Eggs, &c.*53359—*Tait & Aris—Distilling Apparatus.*53360—G. C. Thomas—*Baggage Check.*53363—D. J. Tittle—*Potato Digger.*53358—H. P. Straub—*Grinding Mill.*53362—S. Timmins—*Timman's Furnace.*

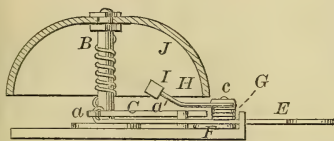
**53364**—A. W. Upton—*Knob Latch.*



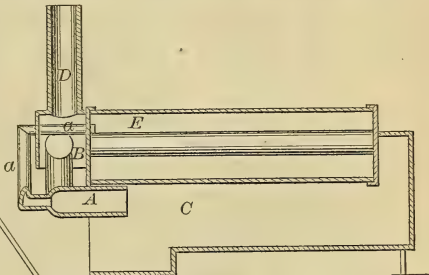
**53365**—W. Warner—*Car Brake.*



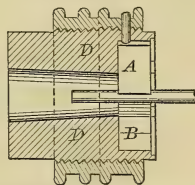
**53366**—W. H. Watrous—*Door Bell.*



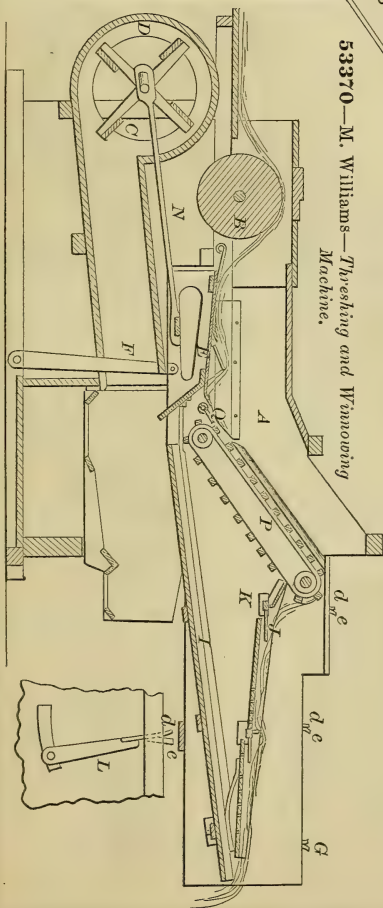
**53367**—J. H. Webster—*Steam Boiler Furnace.*



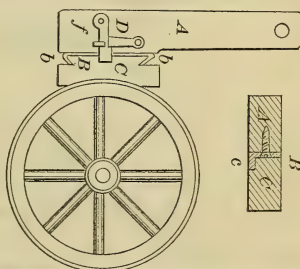
**53368**—Wells & Mayott—*Drill Chuck.*



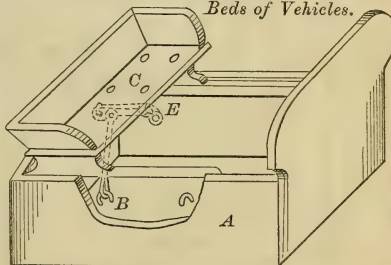
**53370**—M. Williams—*Threshing and Winnowing Machine.*



**53369**—H. Wentz—*Car Brake Shoe.*

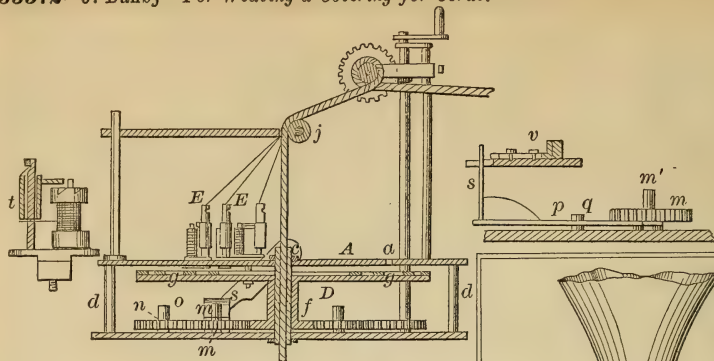


**53371**—W. Bench—*Attaching Seats to the Beds of Vehicles.*

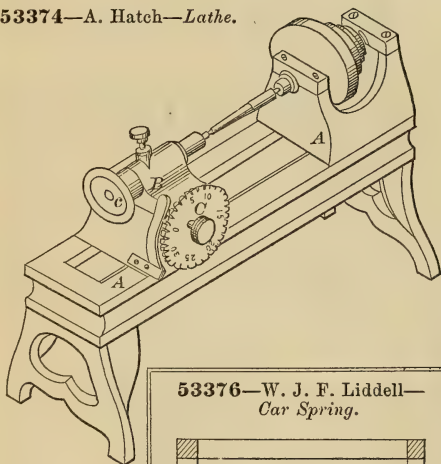
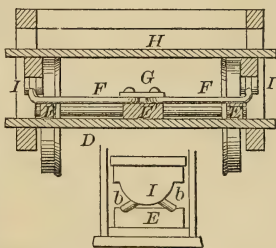




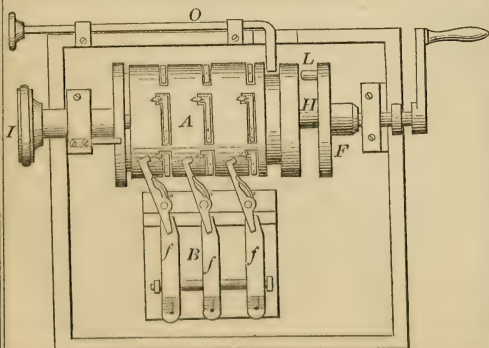
53372—J. Danby—For Weaving a Covering for Cords.



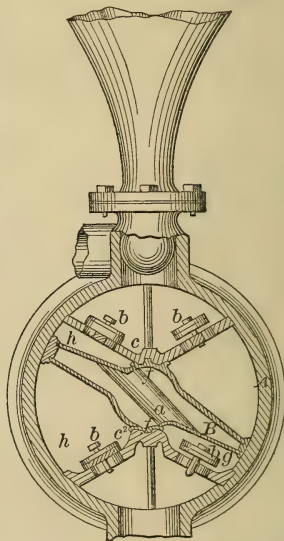
53374—A. Hatch—Lathe.

53376—W. J. F. Liddell—  
Car Spring.

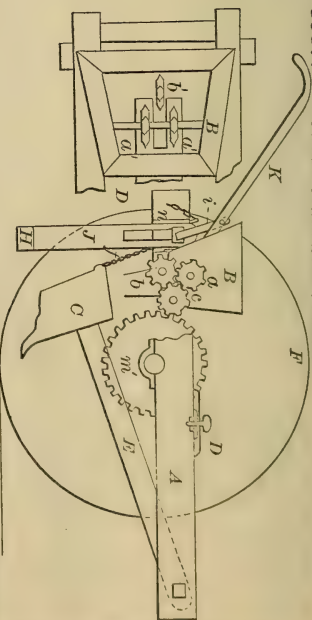
53375—L. Marques—Musical Instrument.



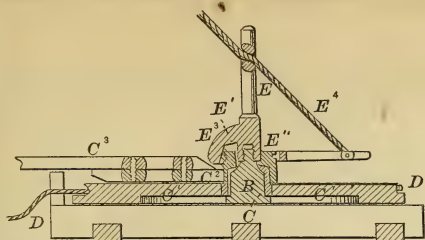
53373—J. E. Hallet—Oscillating Pump.



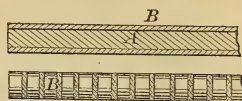
53377—B. Owen—Cotton Seed Planter.



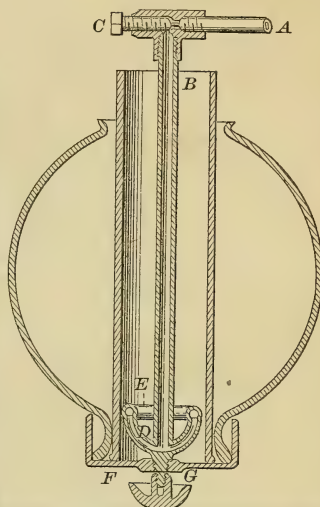
53378—J. M. Randle—*Horse Power.*



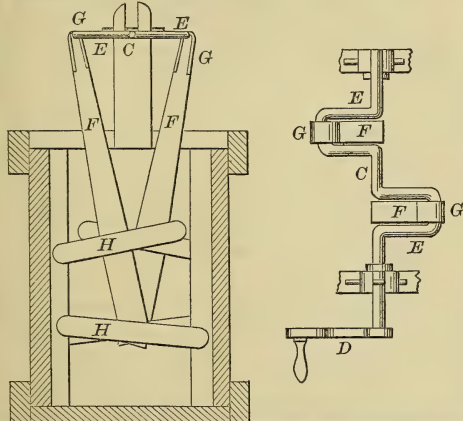
53381—A. Shipley—*Stair Rod.*



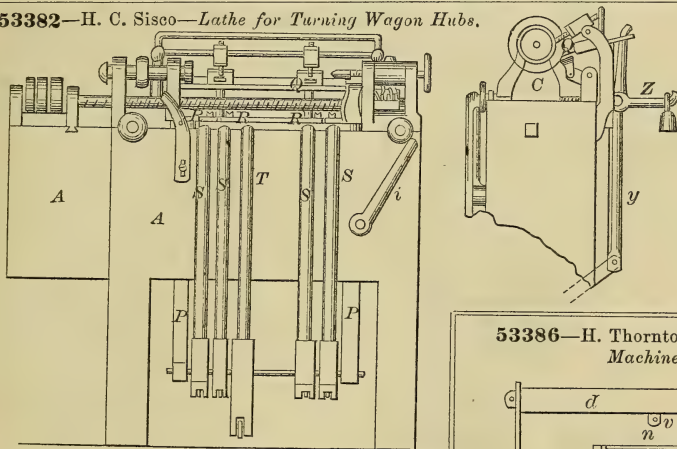
**53383**—J. Stratton—*Hydro-Carbon Burner.*



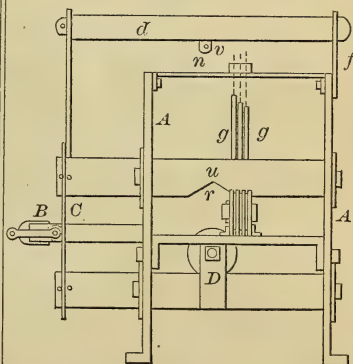
53380—J. W. Sefton—*Churn.*



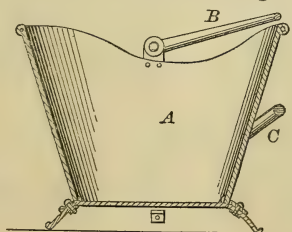
**53382**—H. C. Sisco—*Lathe for Turning Wagon Hubs.*



53386—H. Thornton—*Knitting Machine.*



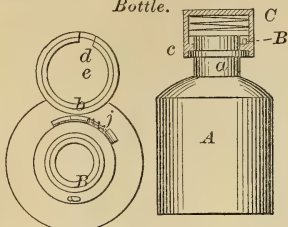
53384—Thompson, Smith & Jennings—*Coal Hod.*



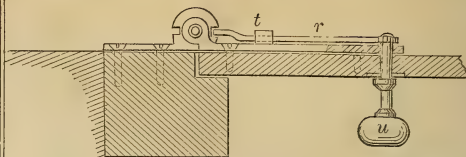
**53388**—H. Berdan—*Priming Metallic Cartridges.*



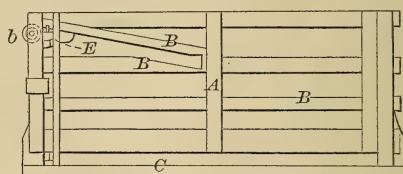
**53390**—M. Ames—*Stopper for Ink Bottle.*



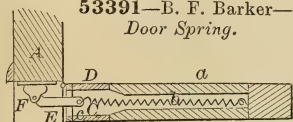
**53389**—J. W. Allen—*Hinge.*



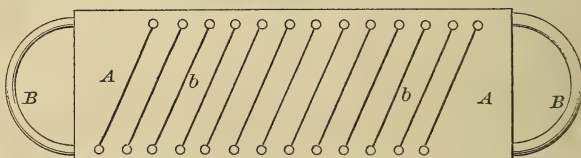
**53394**—J. S. Benedict—*Fence Gate.*



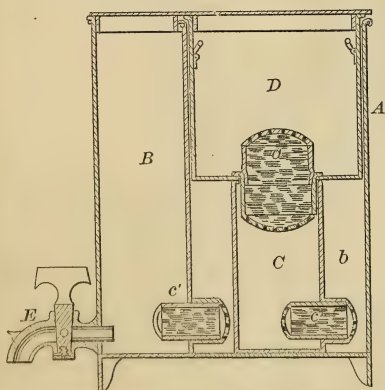
**53391**—B. F. Barker—*Door Spring.*



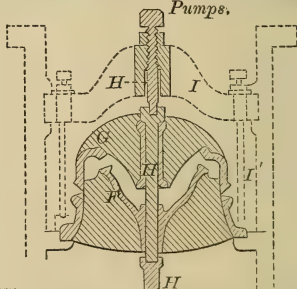
**53392**—C. T. A. Bauder—*Vegetable Cutter.*



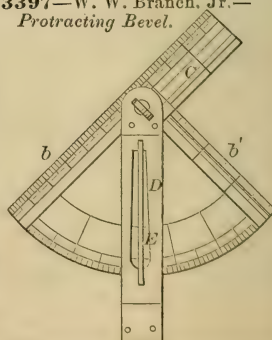
**53395**—B. Best—*Filter.*



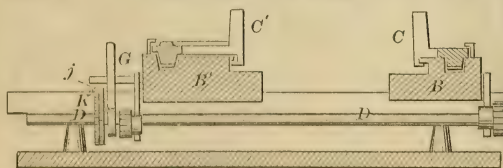
**53396**—H. P. M. Birkinbine—*Valve for Pumps.*



**53397**—W. W. Branch, Jr.—*Protracting Bevel.*

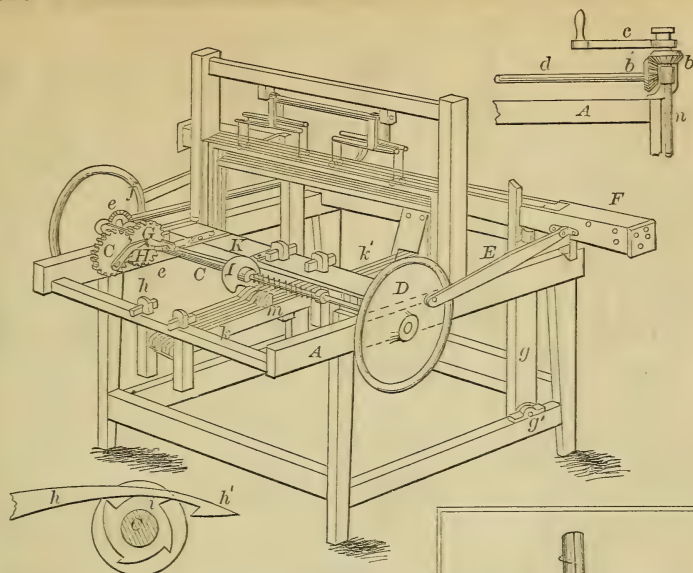


**53393**—D. C. Baughman—*Head Block for Saw Mills.*

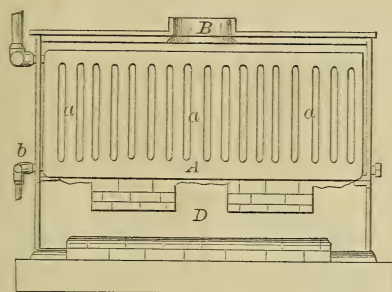




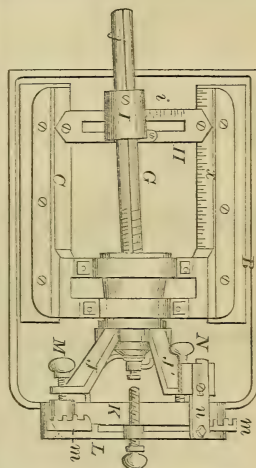
53398—J. L. Branson—*Hand Loom.*



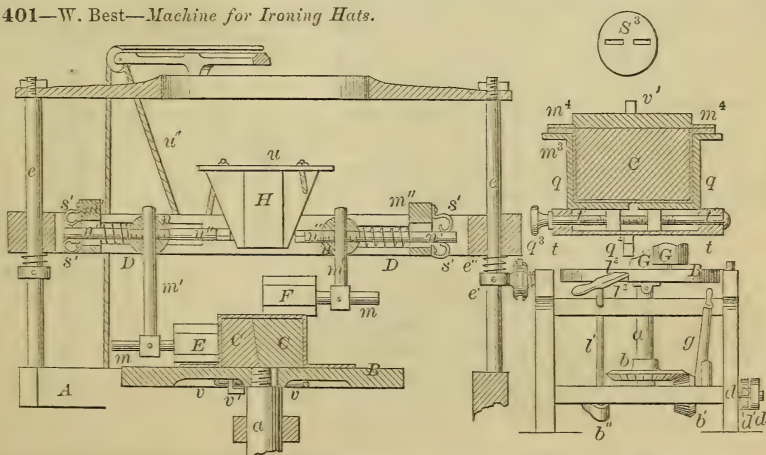
53399—G. B. Brayton—*Steam Generator.*

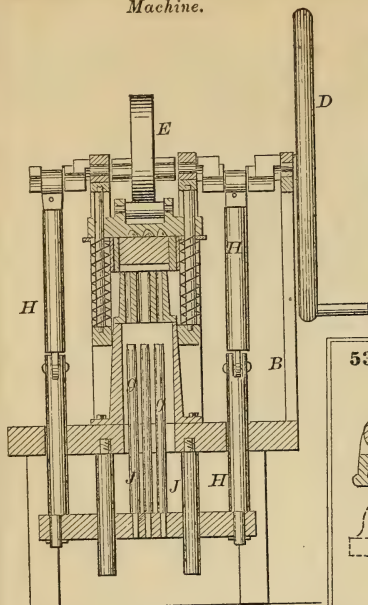
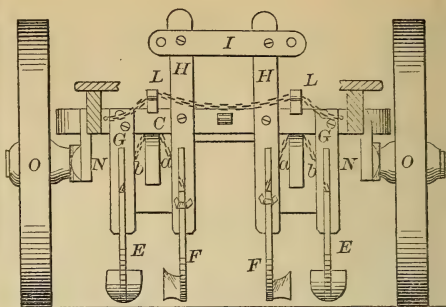
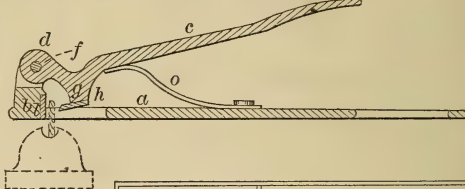
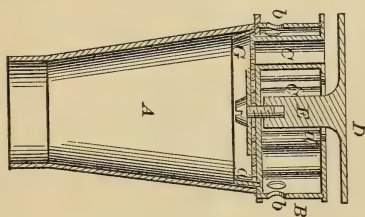
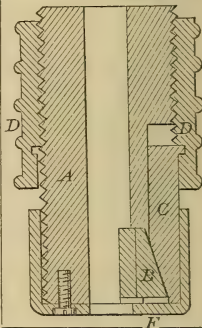
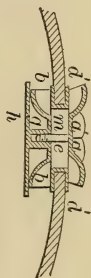
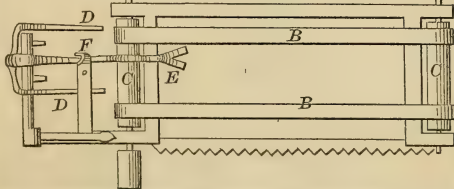
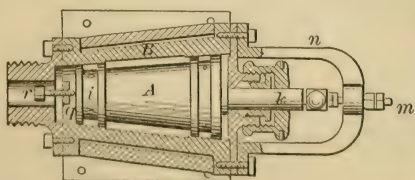
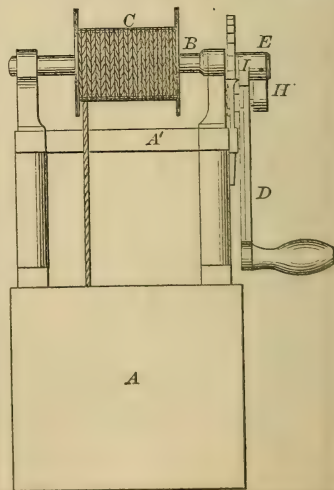


53400—D. C. Breed—*Machine for Boring Hubs.*

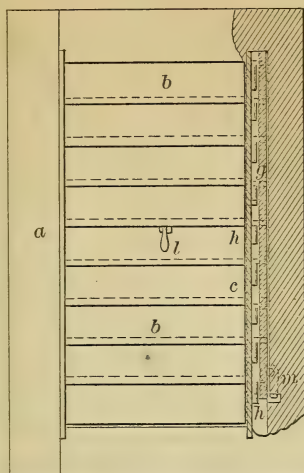


53401—W. Best—*Machine for Ironing Hats.*

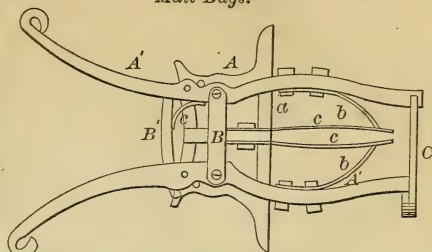


**53402**—N. W. Brewer—*Wooden Pin Machine.***53408**—Canfield & Hess—*Cultivator.***53403**—W. R. Brooks—*Wick Trimmer.***53404**—T. H. Brymer—*Burner for Gas Stoves.***53405**—J. A. Bunce—*Lathe Chuck.***53406**—B. J. Burnett—*Hot Ventilator.***53409**—Canfield, Still & Wheeler—*Harvester.***53410**—J. W. Carhart—*Balance Valve for Steam Engine.***53411**—H. P. Castle—*Water Drawer.*

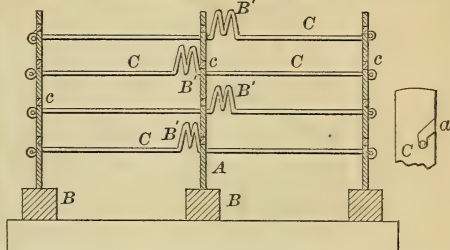
53412—L. W. Chase—*Window Blind.*



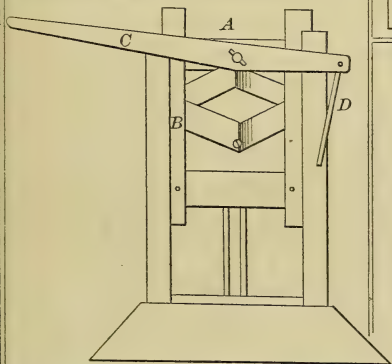
53417—J. J. Cooper—*Receiving and Delivering Mail Bags.*



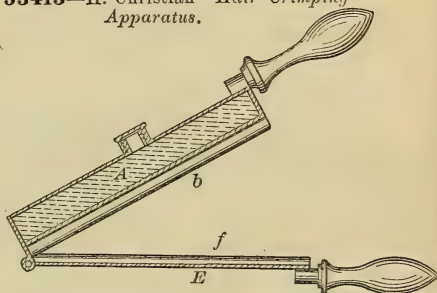
53418—E. Cozad—*Fence.*



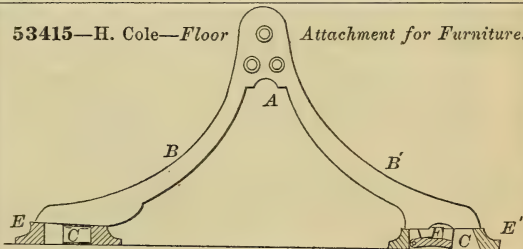
53416—M. Cole—*Straw Cutter.*



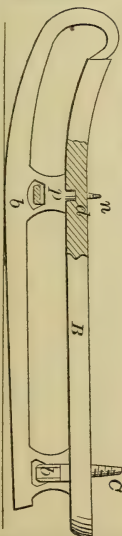
53413—H. Christian—*Hair Crimping Apparatus.*



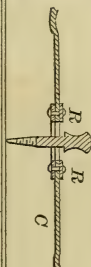
53415—H. Cole—*Floor Attachment for Furniture.*



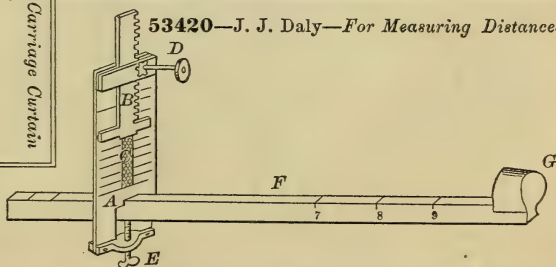
53414—H. Clark—*Skate.*



53419—Crawford & Birch—*Carriage Curtain B Fastener.*



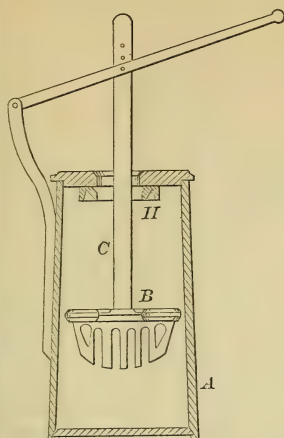
53420—J. J. Daly—*For Measuring Distances.*



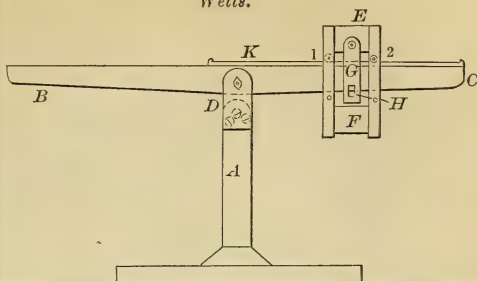




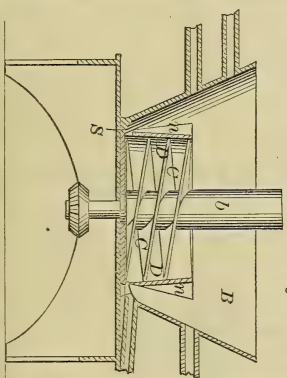
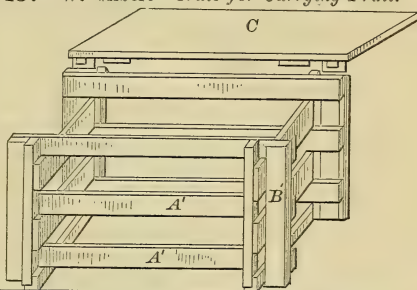
53432—D. A. Fiske—Churn.



53434—Frazier & Wickes—Balanced Beam for Boring Wells.

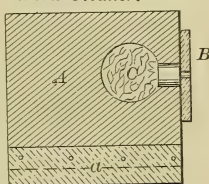


53437—W. Gilbert—Crate for Carrying Fruit.

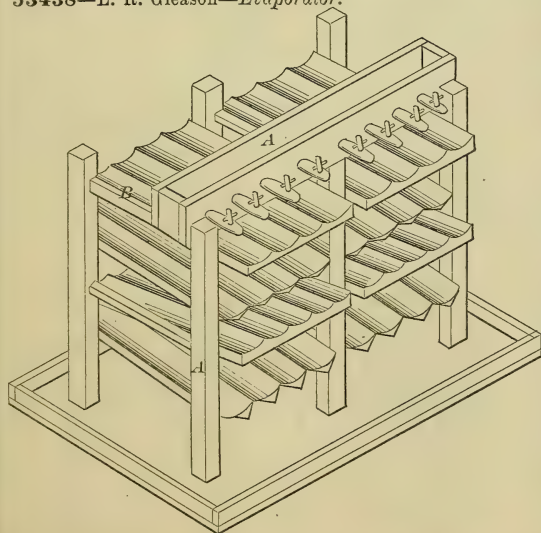


53435—H. A. Gaston—Amalgamator.

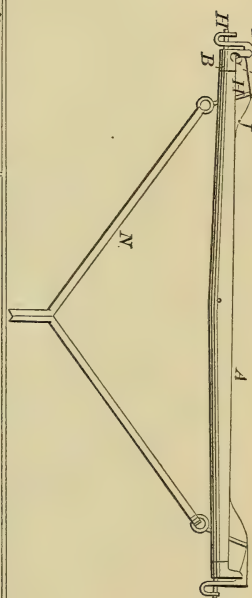
53433—N. W. Foye—Scraper and Knife and Fork Cleaner.



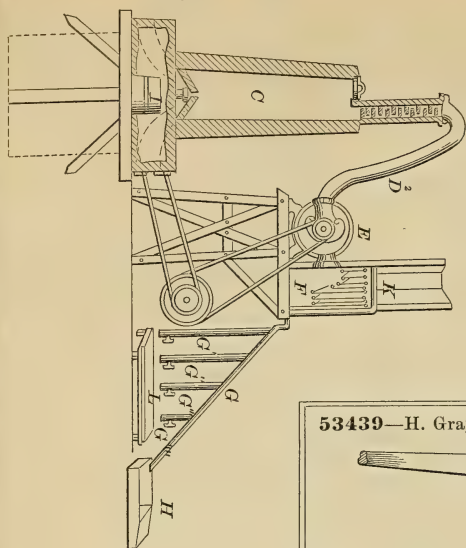
53438—L. R. Gleason—Evaporator.



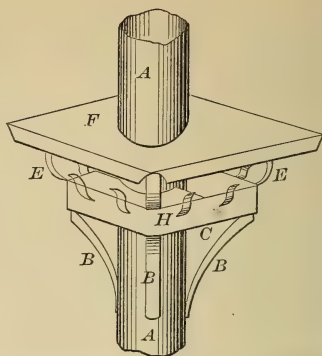
53436—Gibson & Newcomb—Whiffletree.



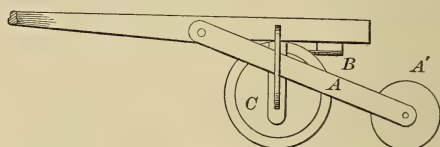
**53440**—A. E. Griffiths—*Furnace for Treating Auriferous Ores.*



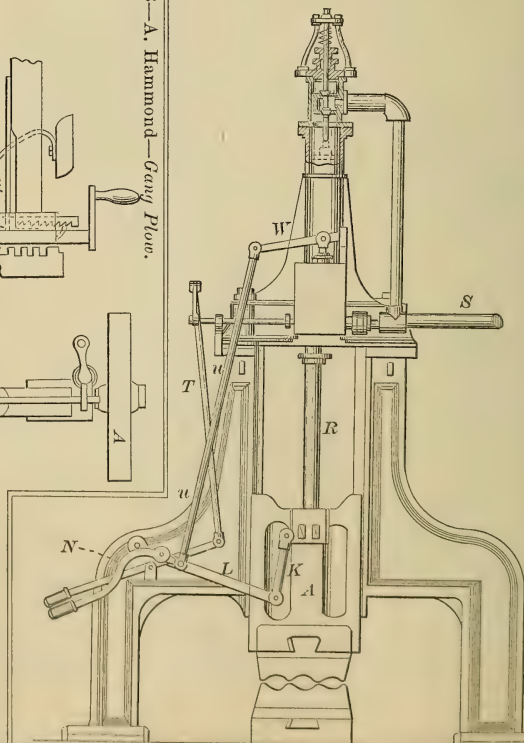
**53441**—J. Gulliford—*Rack and Store Shelf.*



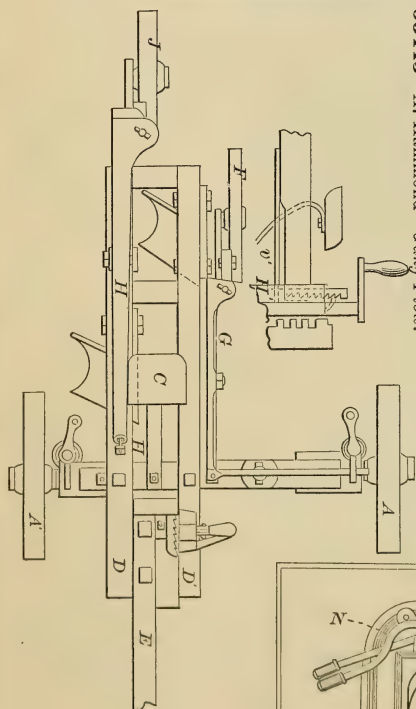
**53439**—H. Gray—*Garden Roller for Destroying Insects.*



**53442**—H. Hamilton—*Valve Gear for Steam Hammers.*

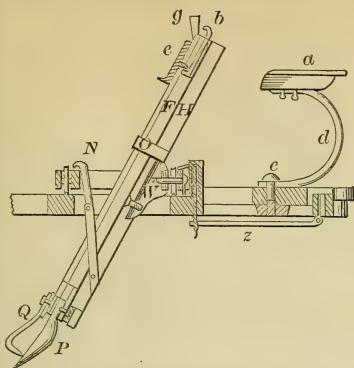


**53443**—A. Hammond—*Gravy Plow.*

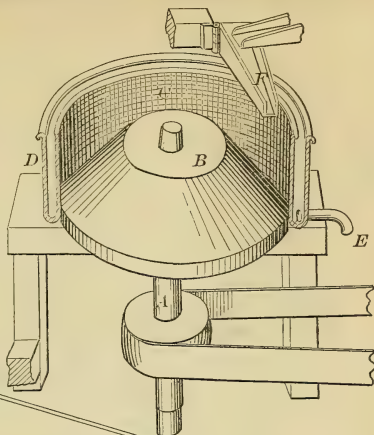




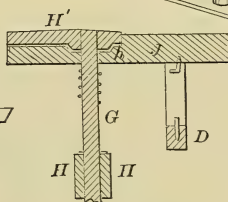
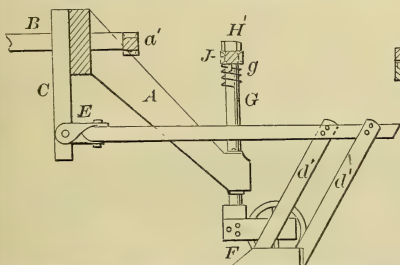
53445—P. Hildreth—Cultivator.



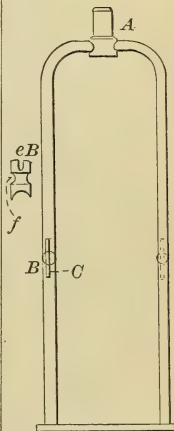
53448—H. Hunt—Centrifugal Machine.



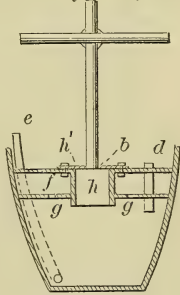
53446—C. Holman—Cultivator.



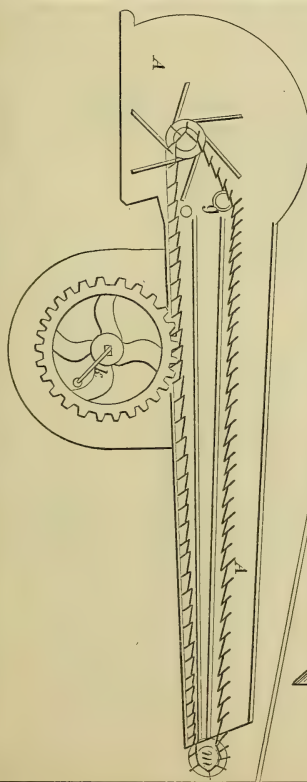
53449—C. Hyde—Flyer for Spinning Machinery.



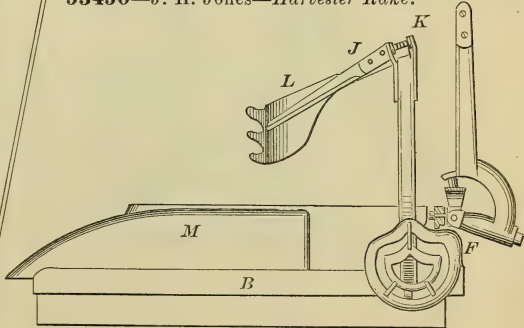
53451—J. F. Keeler—Portable Tank for Oil, &c.



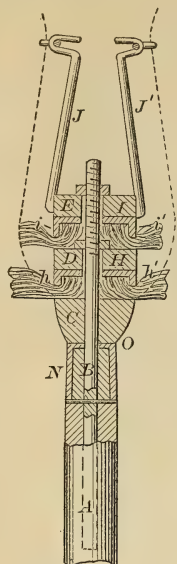
53447—G. A. Howe—Cotton Picker.



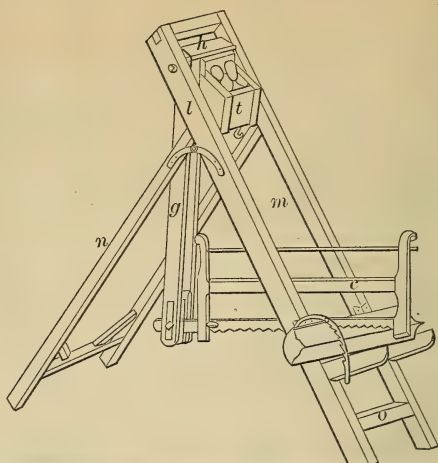
53450—J. H. Jones—Harvester Rake.



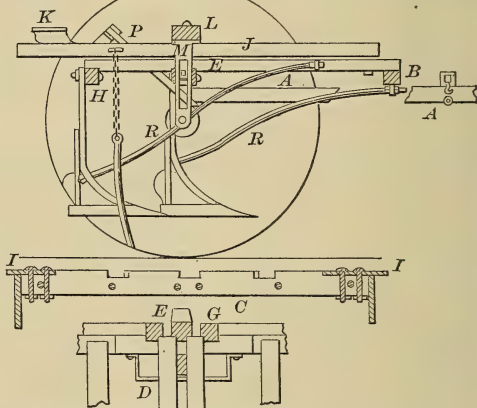
**53452**—A. B. King—*Broom Head.*



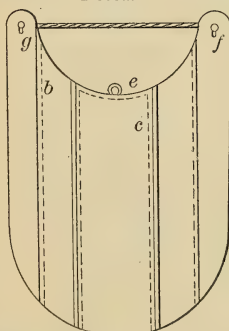
**53453**—J. Kunz—*Sawing Machine.*



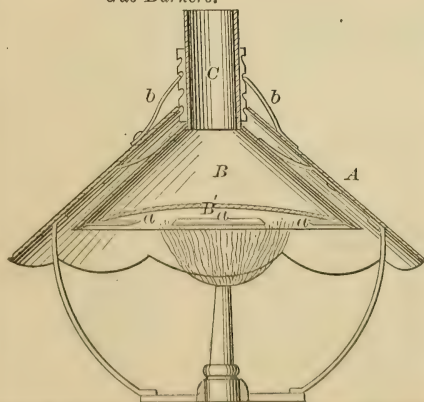
**53457**—S. M. Lockwood—*Sulkey Plow.*



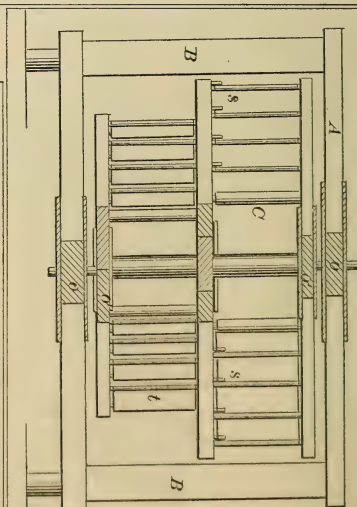
**53455**—C. M. Lee—*Paper Shirt Bosom.*



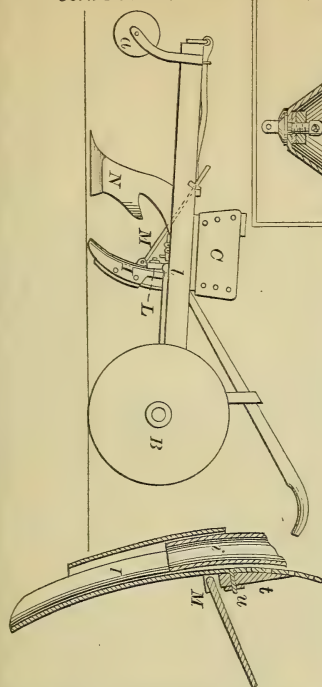
**53456**—A. H. Lochman—*Shade for Gas Burners.*



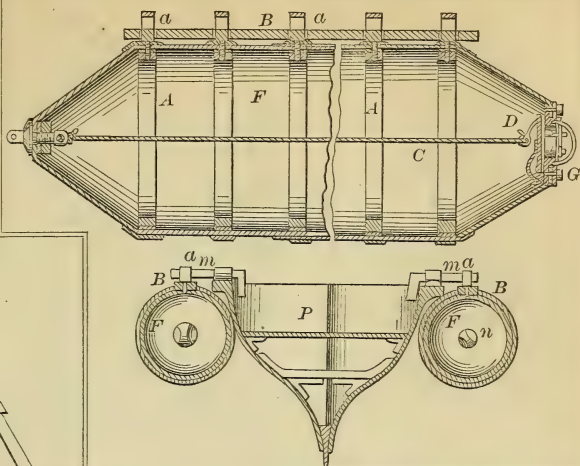
**53458**—P. Löffler—*Wind Mill.*



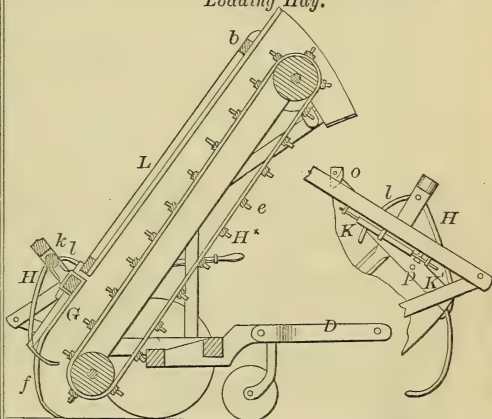
**53459**—D. & D. F. Luse—*Corn Planter.*



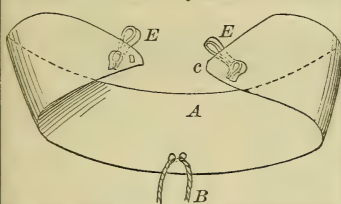
**53461**—J. Mac Donough—*Collapsible Float for Boats.*



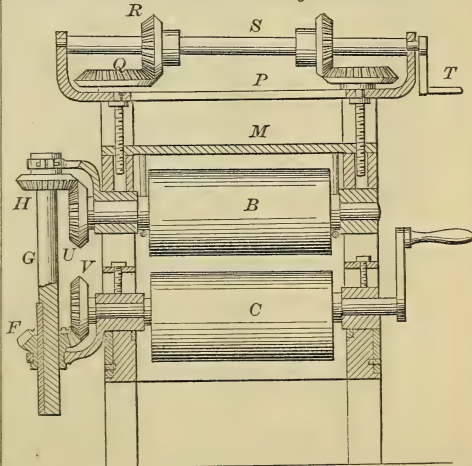
**53464**—W. D. Mayfield—*Machine for Raking and Loading Hay.*



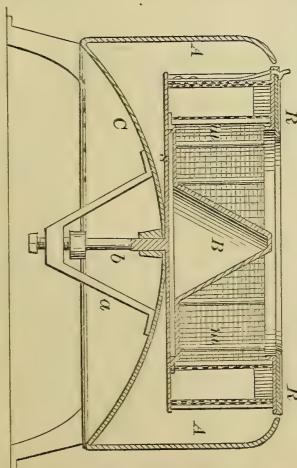
**53462**—D. Mackay—*Men's Collar.*



**53466**—W. B. McIver—*Planing Machine.*



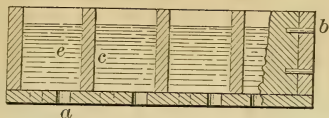
**53463**—Mackey & Müller—*Centrifugal Machine.*



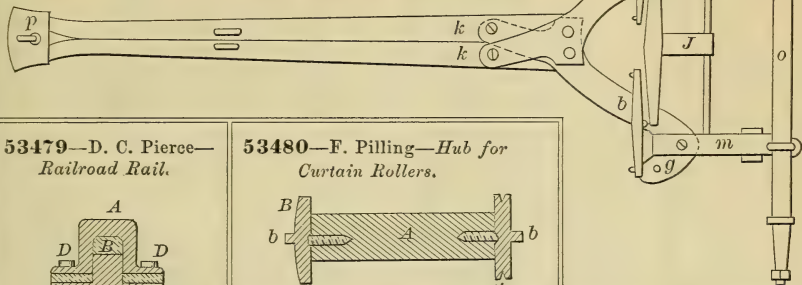




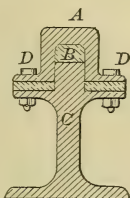
53477—F. L. Perry—*Box for Propagating Plants.*



53478—J. G. Perry—*Pole and Thills for Carriages.*



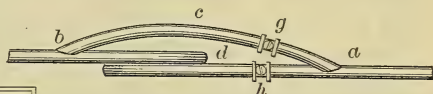
53479—D. C. Pierce—*Railroad Rail.*



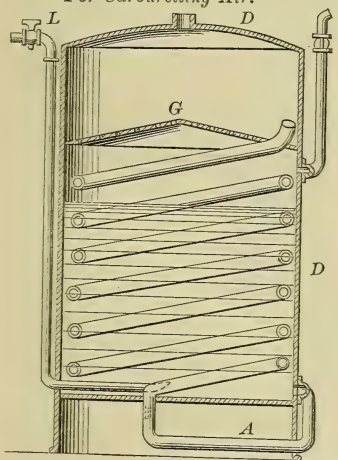
53480—F. Pilling—*Hub for Curtain Rollers.*



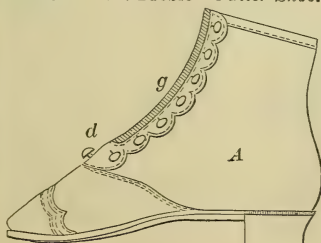
53482—Pond & Richardson—*Gas Apparatus.*



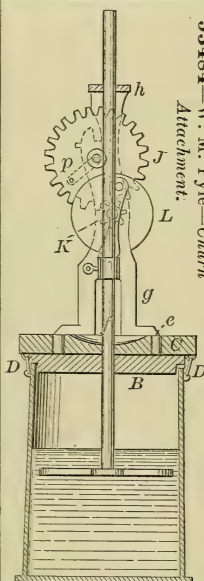
53481—Pond & Richardson—*Apparatus For Carburetting Air.*



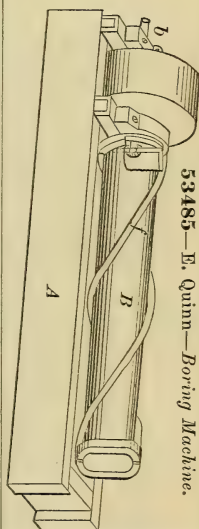
53483—A. M. Preble—*Gaiter Shoe.*



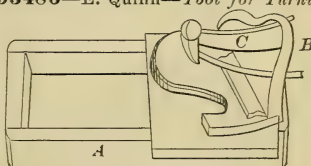
53484—W. M. Pyle—*Churn Attachment.*

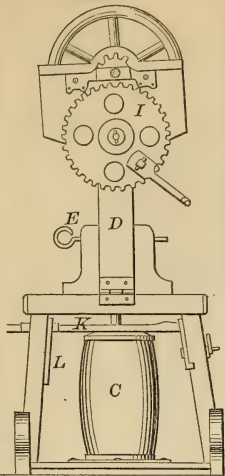
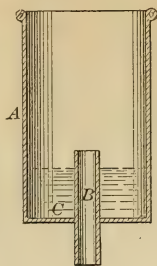
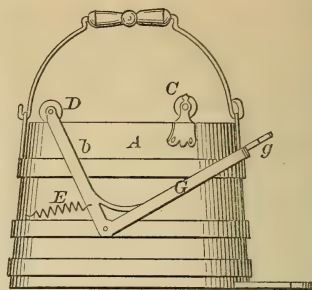
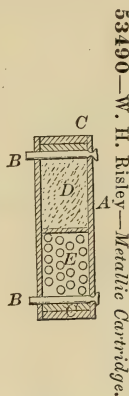
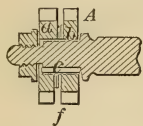
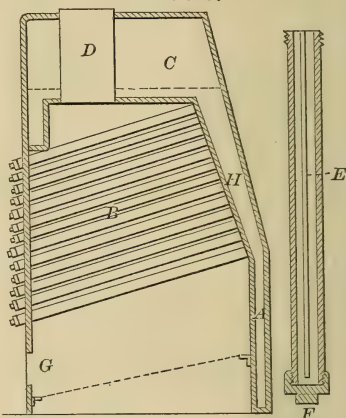
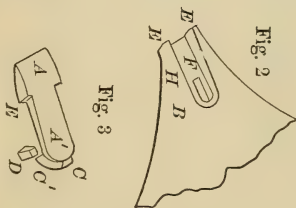
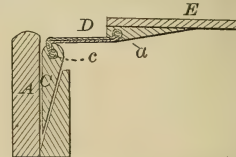
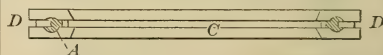
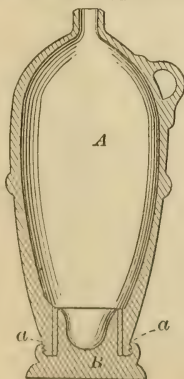
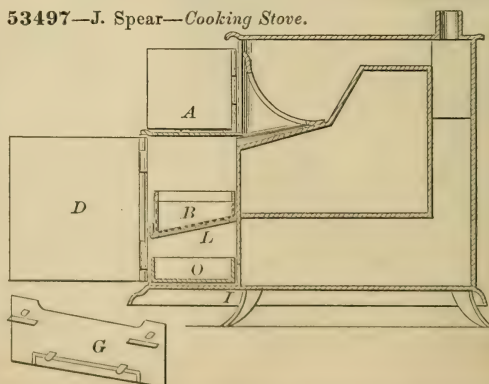


53485—E. Quinn—*Boring Machine.*



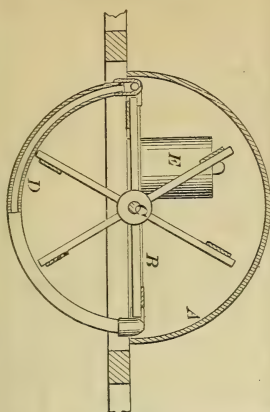
53486—E. Quinn—*Tool for Turning Wood.*




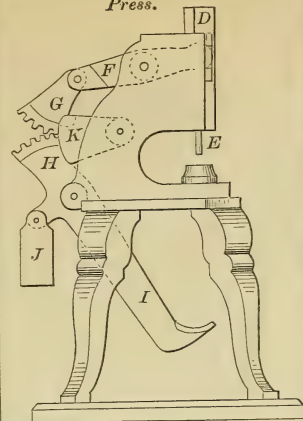
53487—D. B. Randall—*Churn.*53488—A. Rankin—*Urinal.*53489—F. Rhines—*Mop Wringer.*53496—J. F. Smith—*Milling Tool.*53490—W. H. Risley—*Metallic Cartridge.*53493—H. C. Sergeant—*Steam Generator.*53491—Saladee & Simpson—*Plow Point.*53492—C. A. Scott—*Bed Bottom.*53495—F. Shenton—*Slate Frame.*53494—Sheldrake & Bready—*Soda Water Apparatus.*53497—J. Spear—*Cooking Stove.*



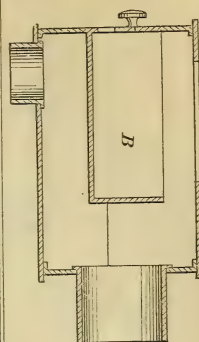
53498—J. F. Spence—  
*Condenser.*



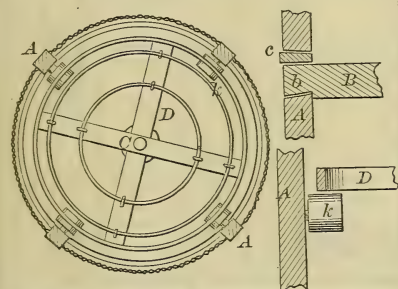
53499—N. C. Stiles—*Foot Press.* 




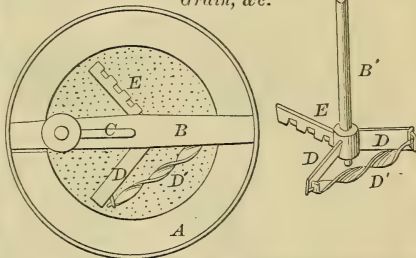
53503—J. A. Talpoy—*Cooking Stove.*



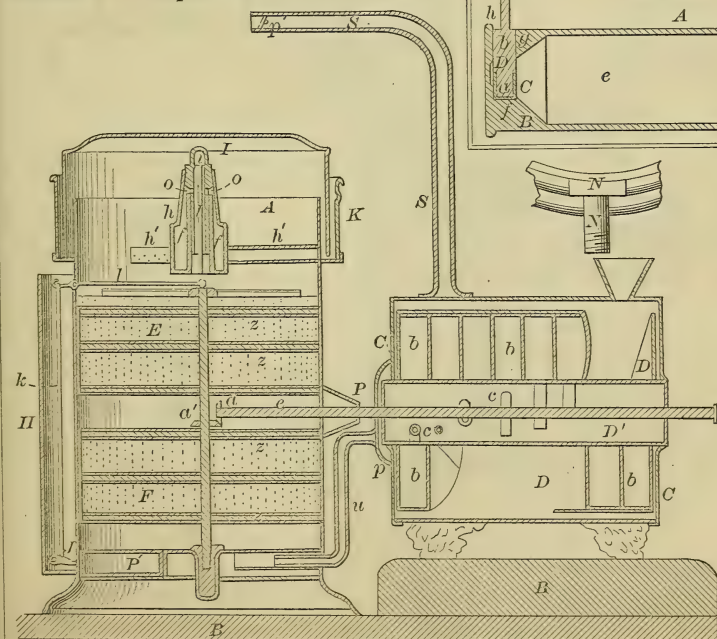
53500—Sturdevant, Parsons & Wheeler—  
*Milk Shelves.*



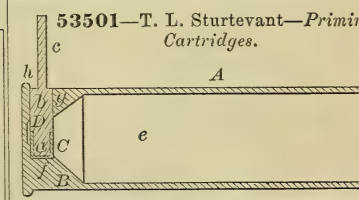
53502—E. Sweetland—*Machine for Cleaning Grain, &c.* 



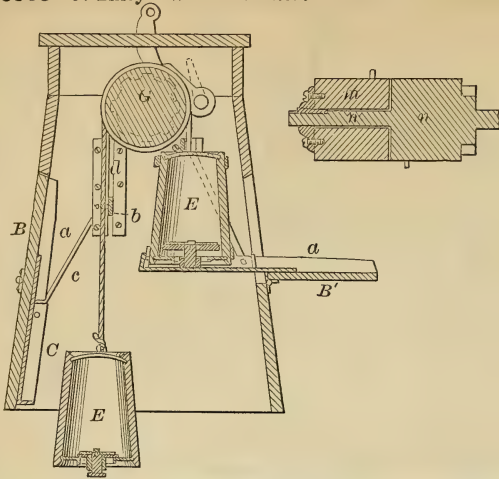
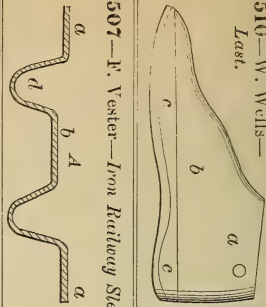
53504—W. Thompson—*For Carburetting Air.*



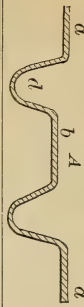
53501—T. L. Sturtevant—*Priming Cartridges.*



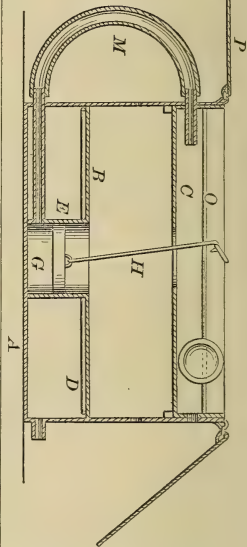
53505—J. Tilley—Water Elevator.

53510—W. Wells—  
Last.

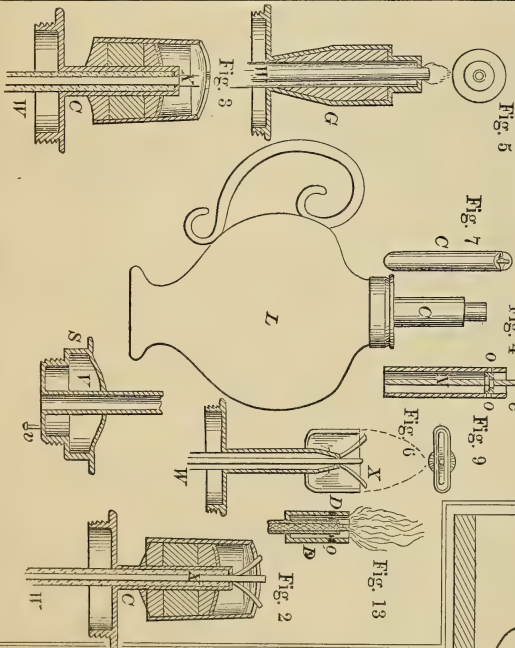
53507—E. Vester—Iron Railway Sleeper.



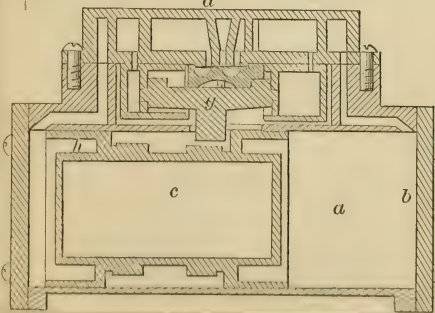
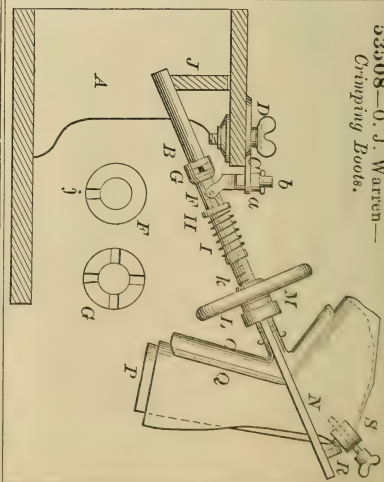
53511—J. Wheeler—Dish Washing Machine.



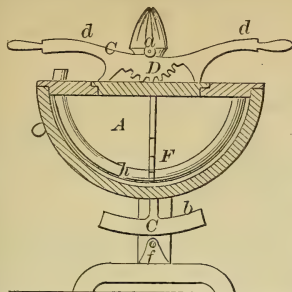
53506—C. N. Tyler—Lamp.



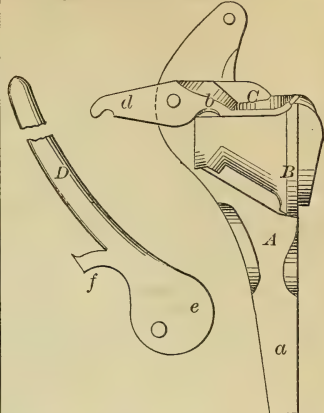
53509—C. Weed—Water Meter.

53508—O. J. Warren—  
Crimping Boots.

53512—J. White—*Churn.*



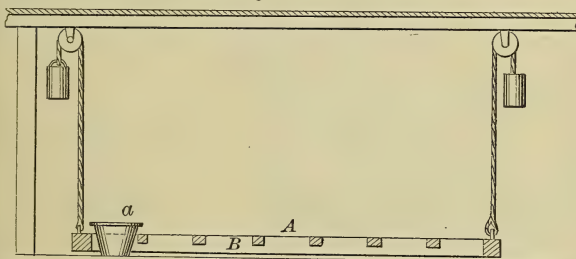
53515—S. F. Woodworth—*For Swaging Sheet Metal Spouts.*



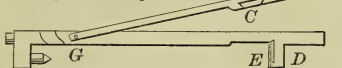
53513—L. B. White—*Truss.*



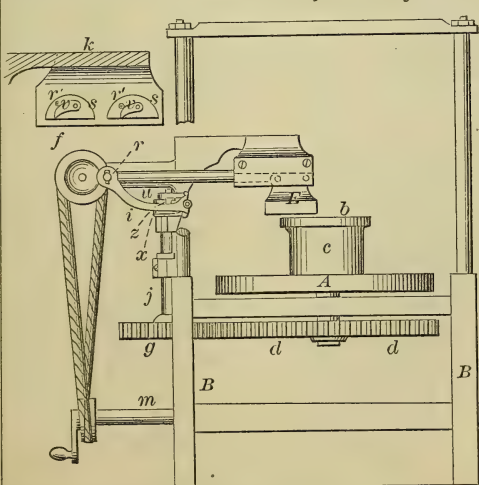
53516—S. D. Yerks—*Dairy House.*



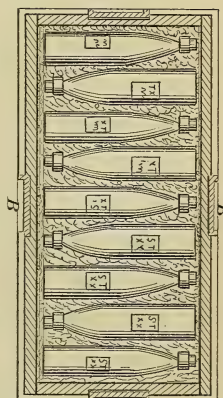
53514—J. Williams—*Feeding Device for Sewing Machines.*



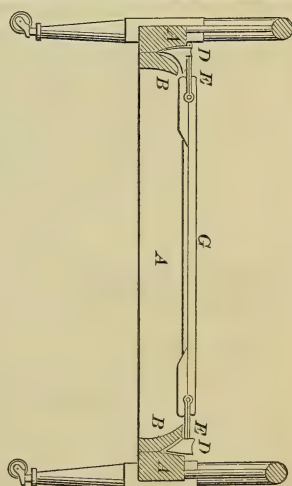
53518—Best & Drake—*Machine for Ironing Hats.*



53517—R. M. Bartlett—*Sealing Box, &c.*

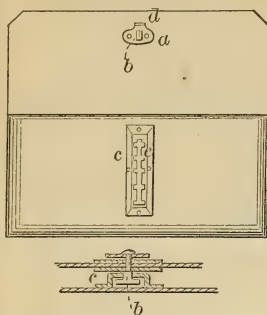


53519—C. M. Brown—*Bed Bottom.*

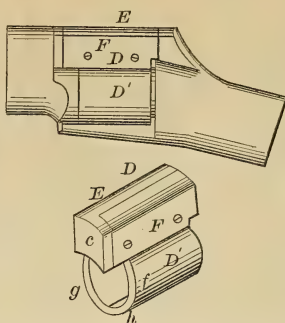




53520—Brown & Rice—Clasp  
For Pocket Books.



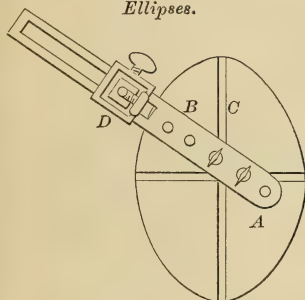
53522—F. Clark—Breech-Loading  
Fire Arm.



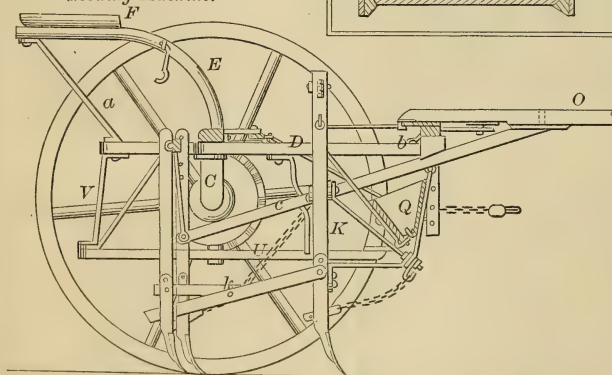
53523—  
J. W. Coburn—  
Water Proof Sole.



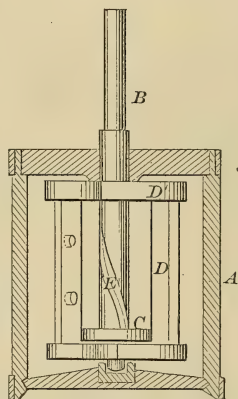
53524—C. Crow—Trammel for  
Ellipses.



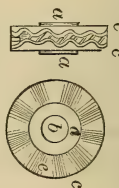
53525—C. Denton—Cultivator and  
Seeding Machine.



53521—J. E. Casey—Churn.



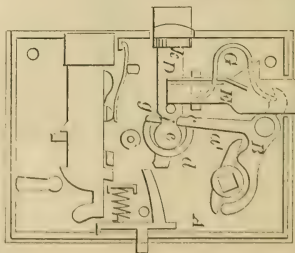
53527—P. Evens, Jr.—Thread  
Tension for Sewing Machines.



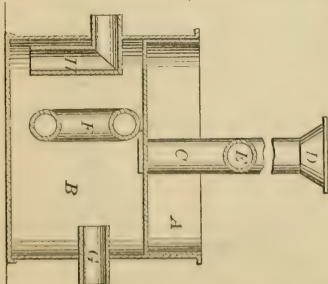
53529—J. W. Gardner—Manufacture of  
Table Cutlery.



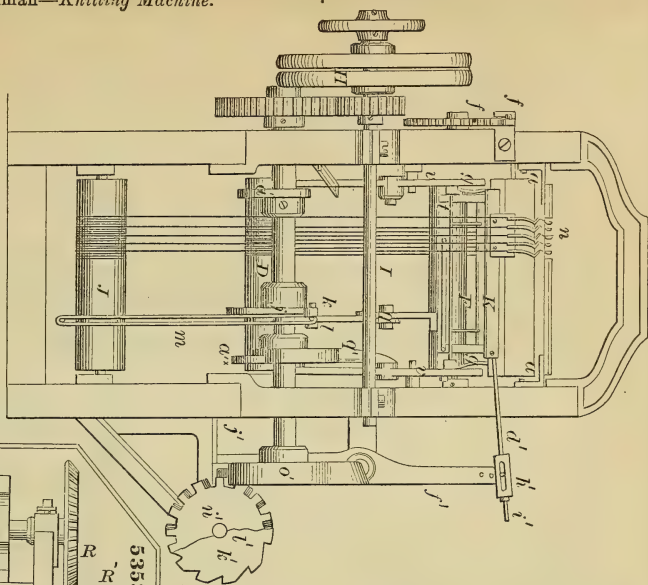
53526—H. H. Elwell—  
Knob Latch.



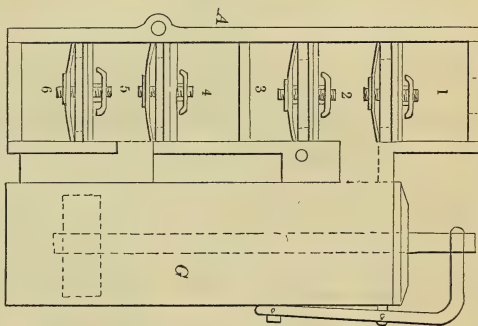
53528—J. H. Fairchild—  
Condenser.




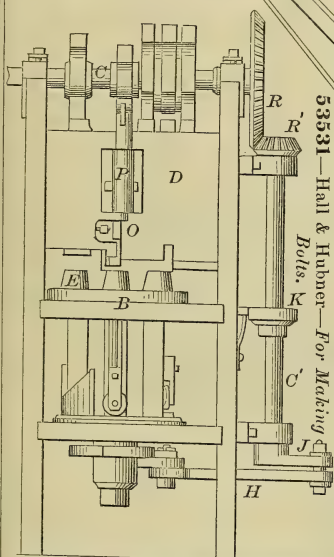
53530—J. Goodman—*Knitting Machine.*



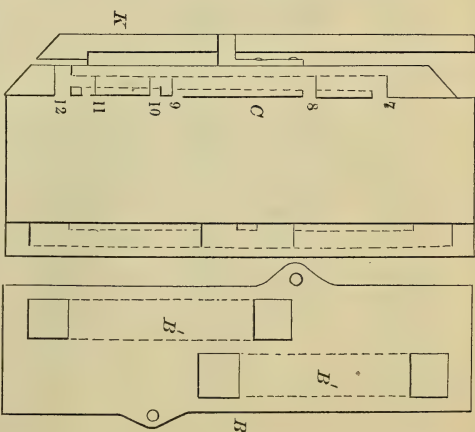
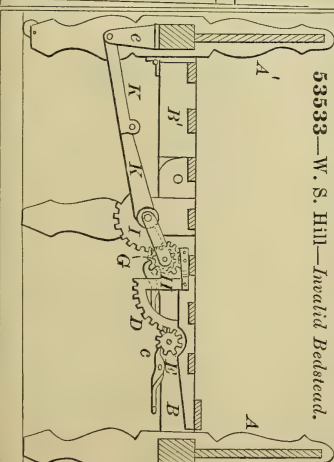
53532—A. M. Hansen—*Pump Valve.*



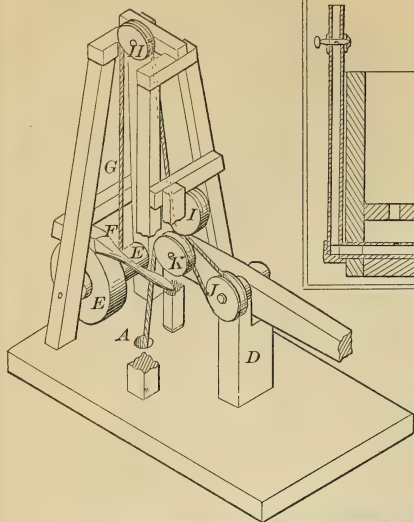
53531—Hall & Hubner—*For Making* 



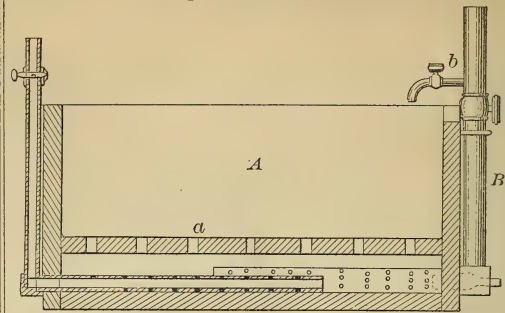
53533—W. S. Hill—*Invalid Bedstead*.



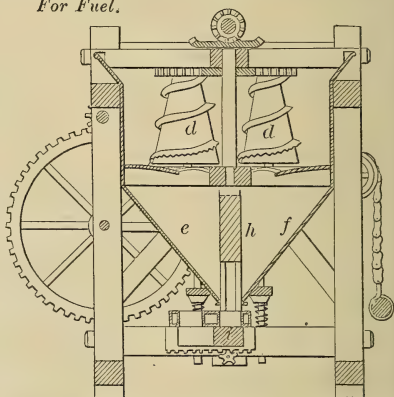
**53536**—T. J. Lovegrove—*Drill Feed for Artesian Wells.*



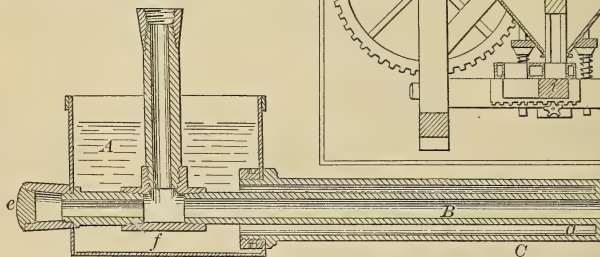
**53534**—G. A. Jasper—*Cleansing Animal Charcoal.*



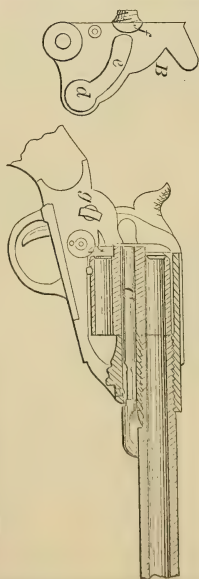
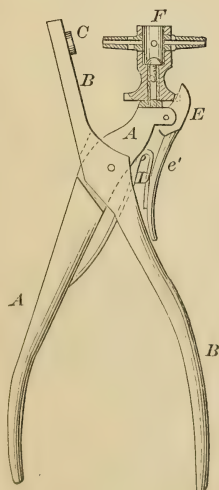
**53538**—S. Marden—*For Preparing Peat For Fuel.*



**53535**—R. D. Kincaid—*Tuyere.*

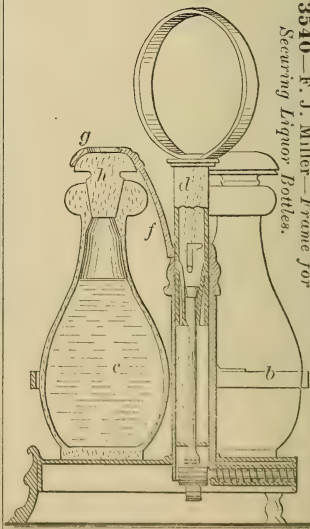


**53537**—J. Lyle—*Spring Punch.*



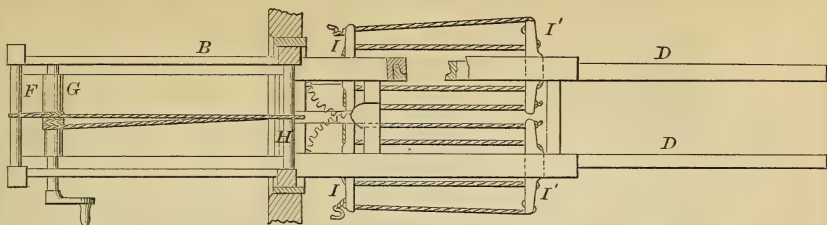
**53539**—W. Mason—*Revolving Fire Arm.*

**53540**—F. J. Miller—*Frame for Securing Liquor Bottles.*

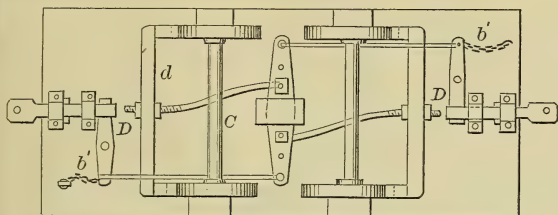




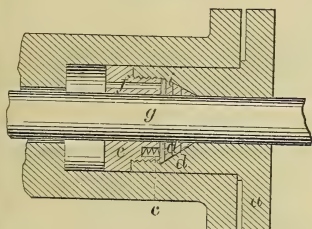
53541—S. Parker—*Clothes Dryer.*



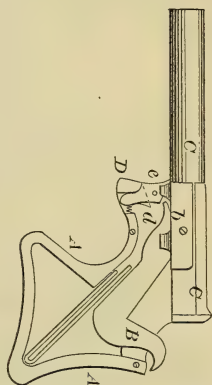
53544—D. T. Robinson—*Car Brake.*



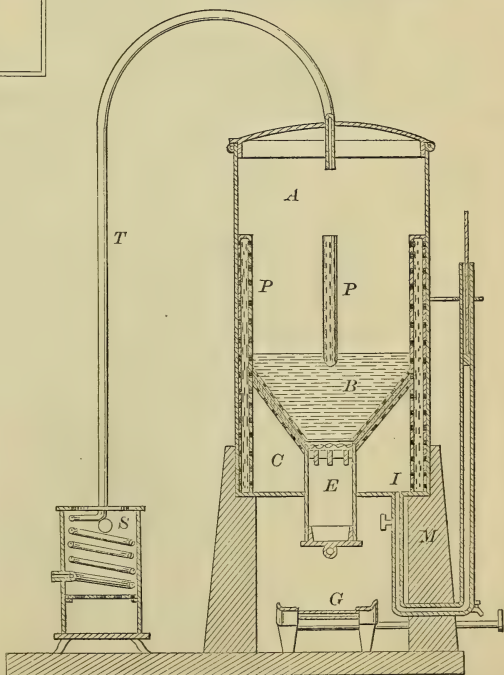
53542—E. T. Prindle—*Piston Rod Packing.*



53543—J. Rider—*Breech-Loading Fire Arm.*



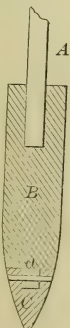
53547—H. Y. Hind—*For Preparing Peat.*

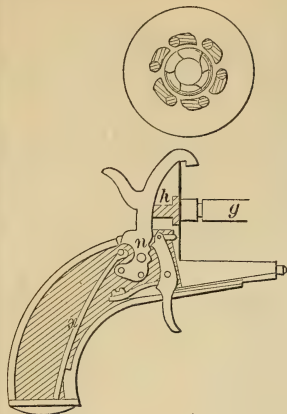
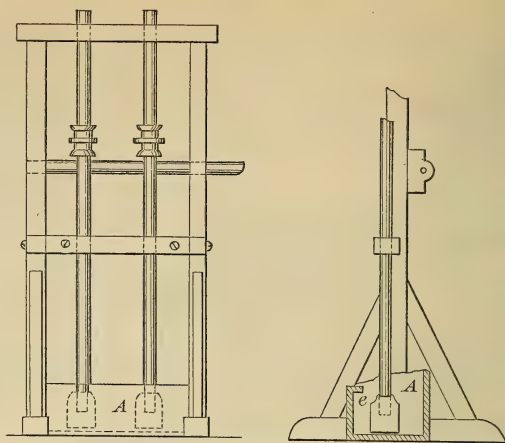
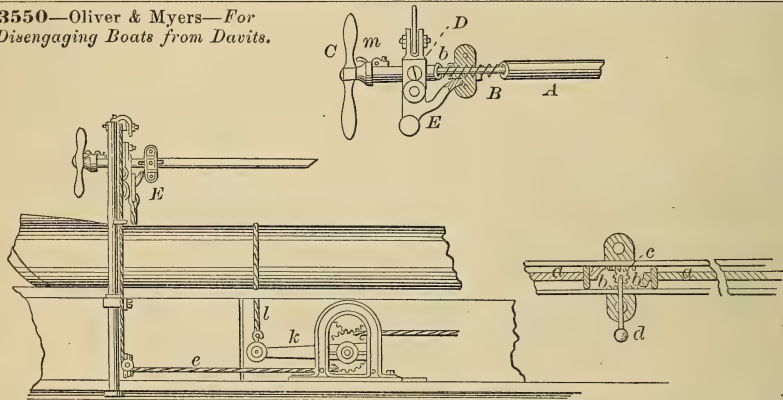
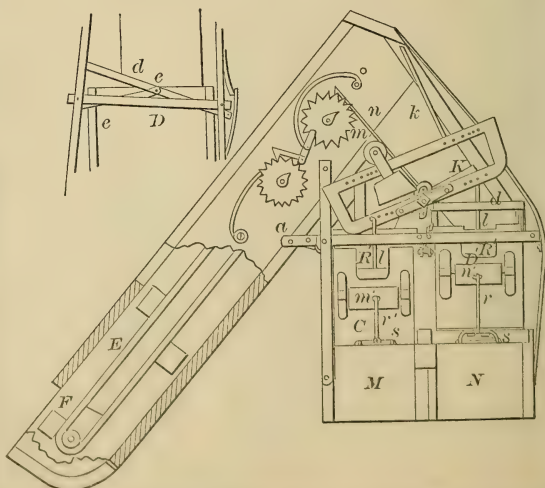
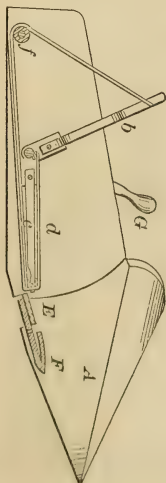


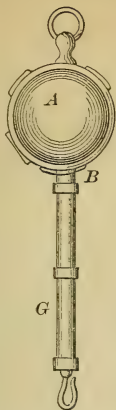
53546—L. S. White—*Metallie Handle for Cutlery.*



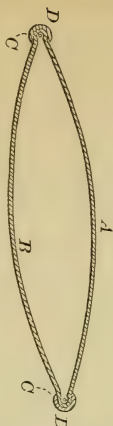
53545—J. H. Trowbridge—*Soldering Iron.*



53548—P. Polain—*Revolving Fire Arm.*53552—S. F. Ambler—*Quartz Crusher.*53550—Oliver & Myers—*For Disengaging Boats from Davits.*53553—D. D. Armes—*Weighing and Measuring Grain.*53551—J. Miller—*Dropper for Harrowers.*

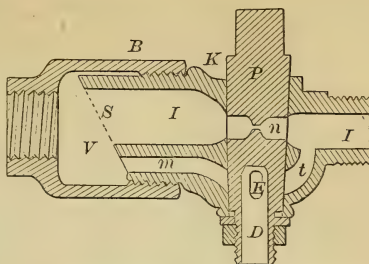


53554—E. F. Badgley—Safeguard for Watches.

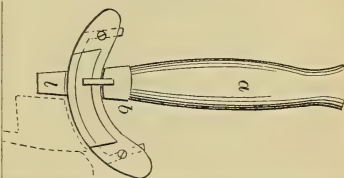


53556—M. L. Ballard—Carriage Spring, &c.

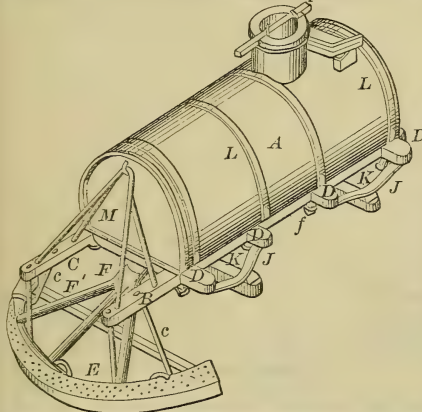
53555—P. Ball—Gauge Cock.



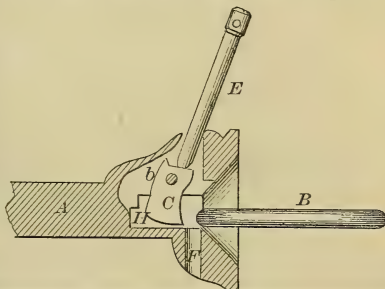
53558—S. C. Bedell—For Trimming Boot and Shoe Heels.



53557—L. F. Bancroft—Street Sprinkler



53560—J. W. Boughton—Car Coupling.

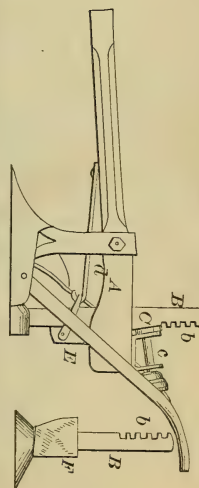


53561—M. Bradley—Social Game.

THE CHECKERED GAME OF LIFE.

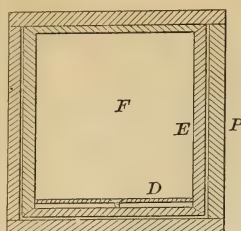


53559—A. T. Boon—Plow.

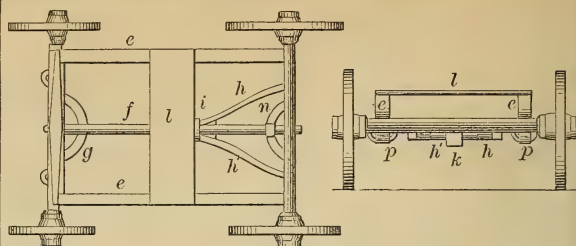




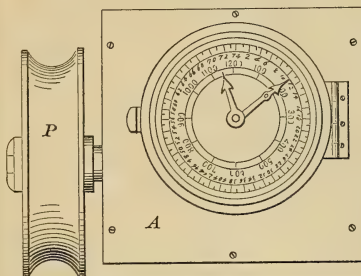
**53562**—W. H. Bramble—*Letter Box.*



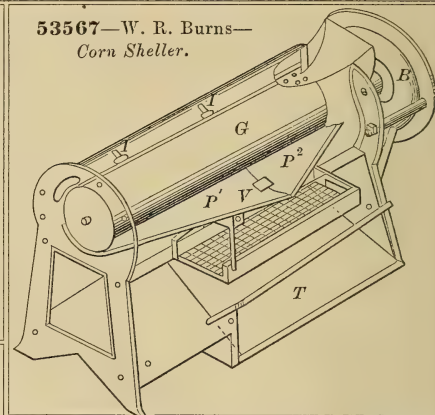
**53568**—C. T. Bush—*Carriage.*



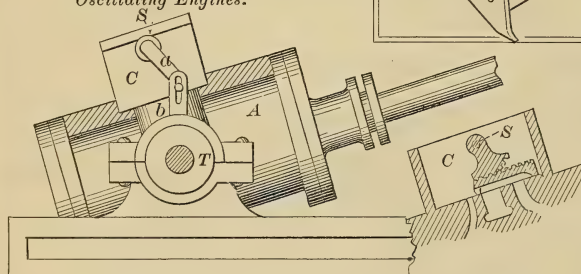
**53564**—L. C. Bristol—*Drill Cable Meter.*



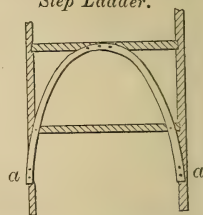
**53567**—W. R. Burns—*Corn Sheller.*



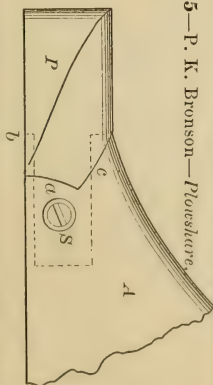
**53570**—H. T. Carter—*Valve Gear for Oscillating Engines.*



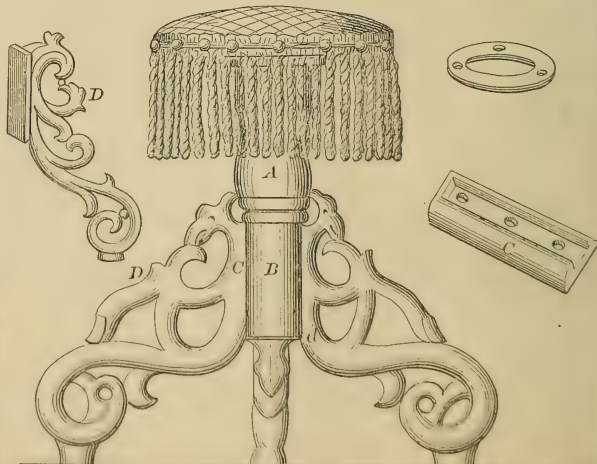
**53566**—C. W. Brown—*Step Ladder.*



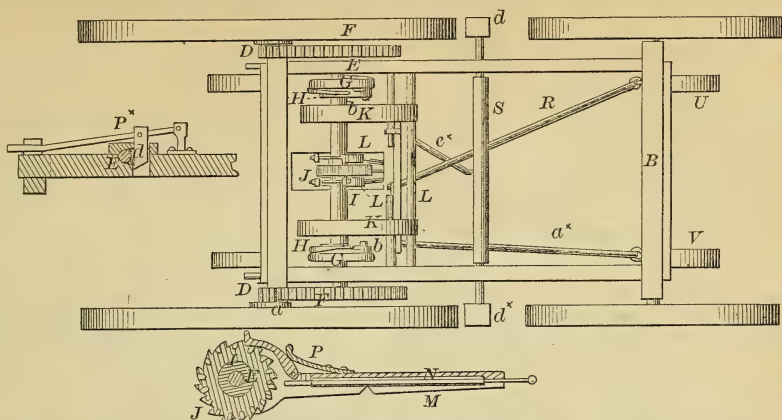
**53565**—P. K. Bronson—*Placure.*



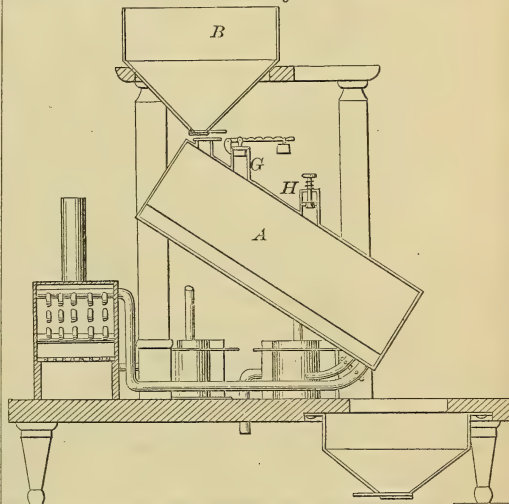
**53571**—E. D. Castelow—*Means of Attaching Legs to Music Stools.*



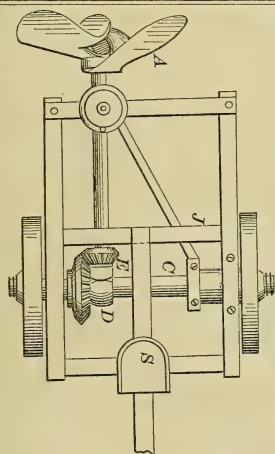
53572—W. K. Chase—Spring Power for Propelling Carriages.



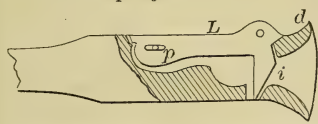
53575—G. Clarke—Grain Dryer.



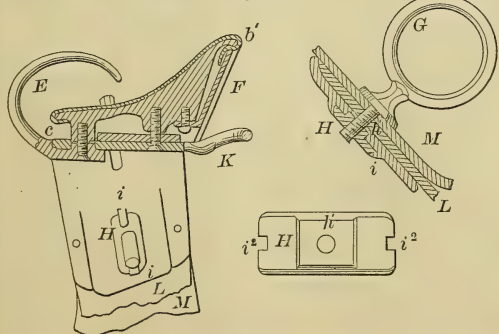
53577—L. H. Colburn—Rotary Plow.



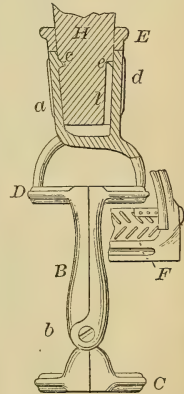
53574—T. J. Christy—  
Car Coupling.



53578—E. A. Cooper—Gig Tree

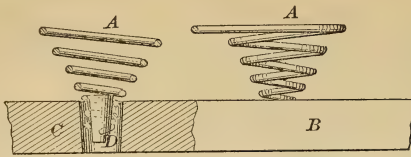
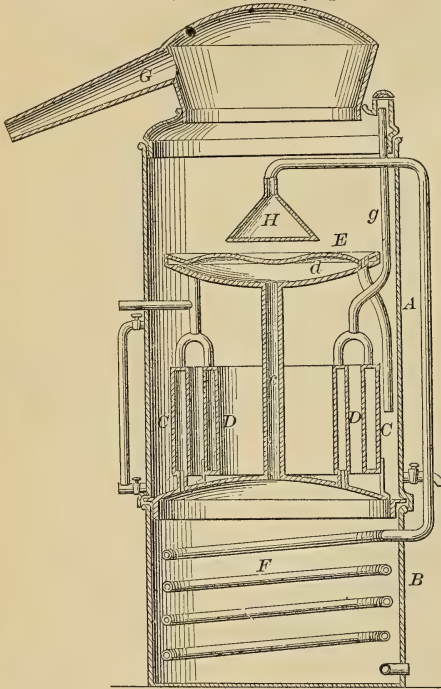
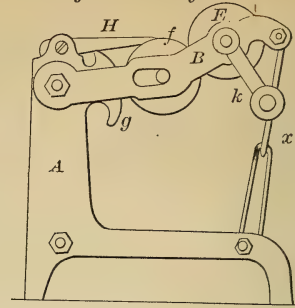
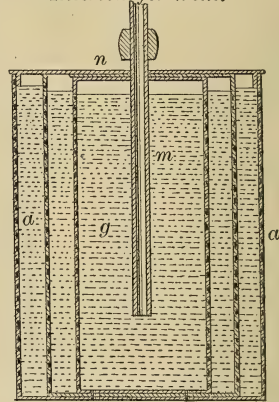
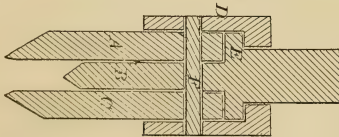
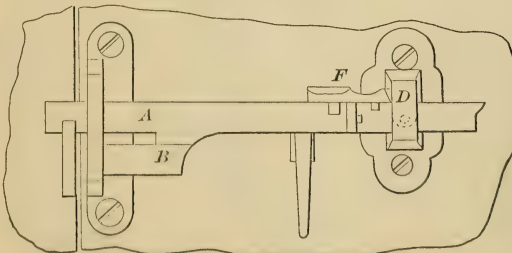
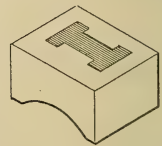
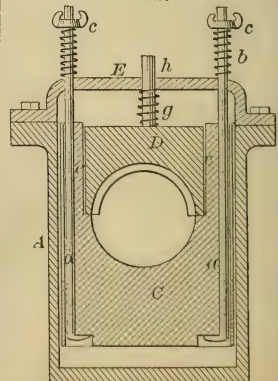


53576—J. O. Clay—  
Broom Head.



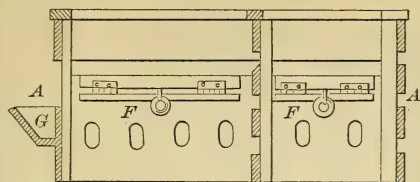
53573—G. W. Chipman—Stair Carpet Pad.



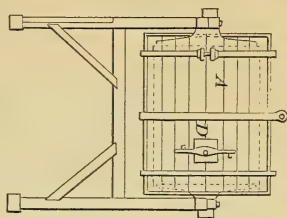
**53579**—D. V. Crandall—*Bed Spring.***53581**—H. G. Dayton—*Distilling Spirits.***53580**—D. Cumming, Jr.—*Mangle and Wringer.***53584**—Dewey & Tillotson—*Reservoir for Wells.***53586**—J. C. Dickey—*Rock Drill.***53585**—H. L. De Zeng—*Door Latch.***53587**—J. Donlevy—*Typographic Printing.***53582**—  
J. G. De Coursey—  
*Bullet for Small Arms.***53588**—D. H. Dotterer—*Axle Box.*



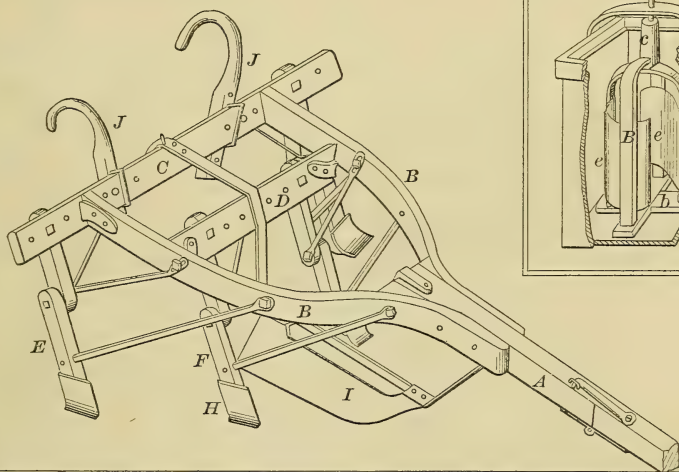
**53589**—J. B. Dow—*Pen for Weaning Calves.*



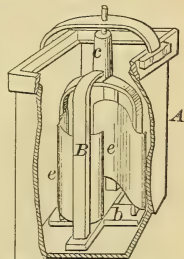
**53590**—F. N. Du Bois—*Process for Amalgamating Gold, &c.*



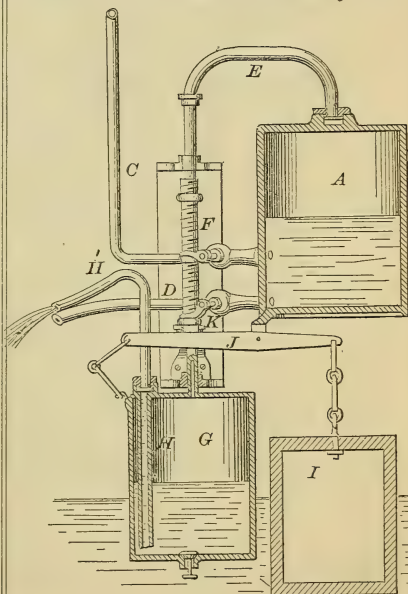
**53592**—S. Dwight—*Cultivator.*



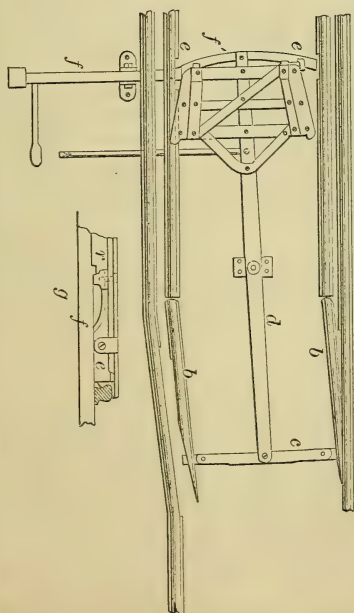
**53591**—D. Dunton—*Churn.*



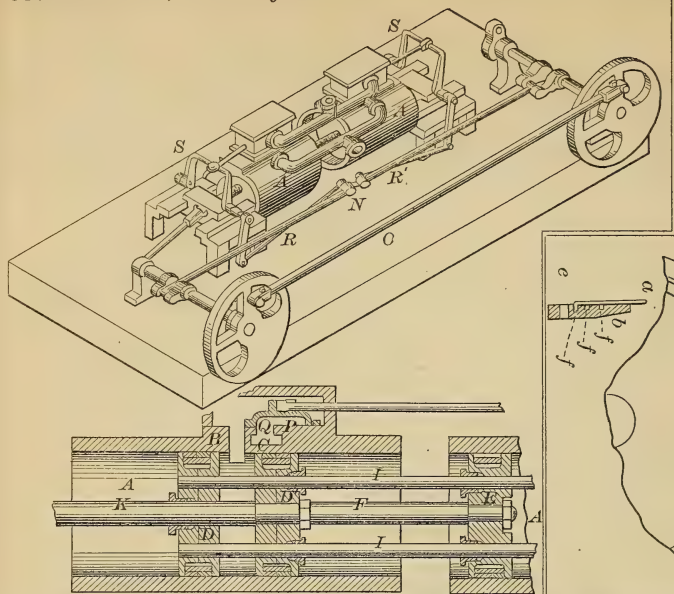
**53594**—A. F. Erich—*For Draining Cellars.*



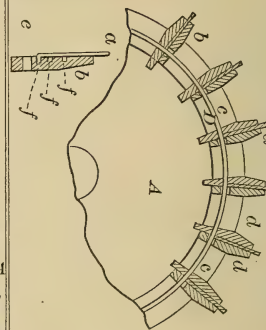
**53593**—Emery & Prince—*Railway Switch.*



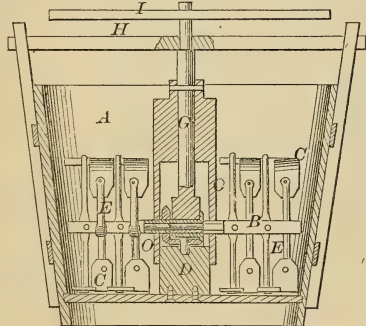
53596—I. Ferris—Steam Engine



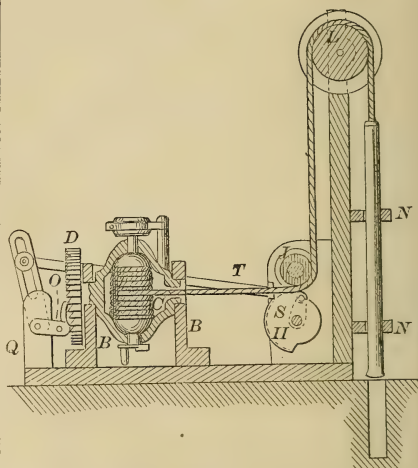
53598—C. T. Frost—Grinding Cylinder of Paper Engines.



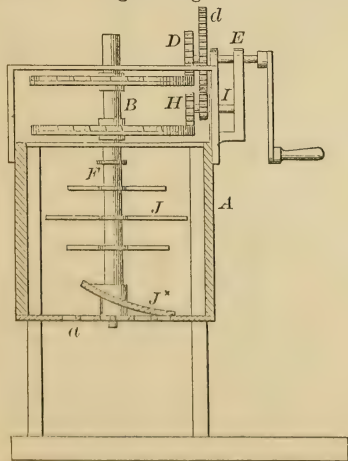
53597—J. T. Forrer—Mash Machine.



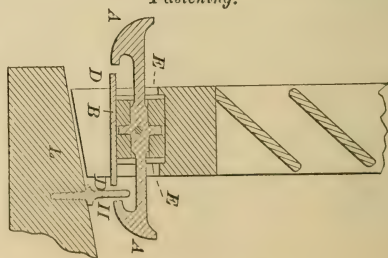
53599—G. P. Ganster—Rock Drill.



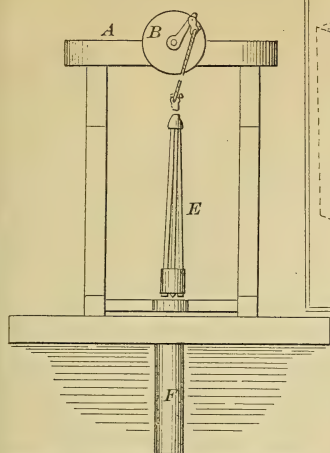
53600—George &amp; Hague—Brick Machine.



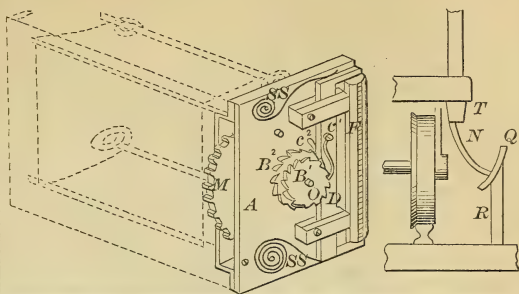
53601—C. H. Gilman—Shutter and Blind Fastening.



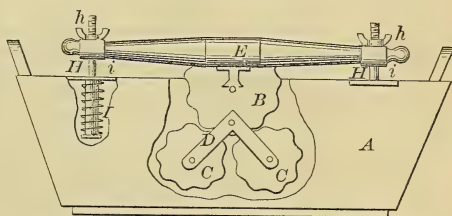
53602—L. M. Gilmore—*Rock Drill.*



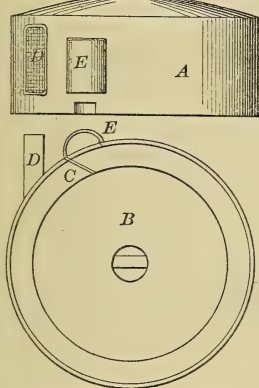
53607—P. E. & J. P. Gruger—*Railroad Station Indicator.*



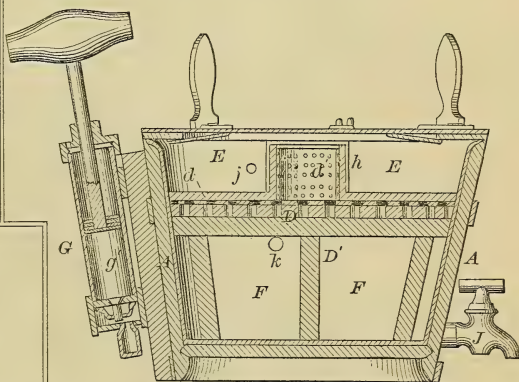
53604—J. T. Greenwood, Sr.—*Washing Machine.*



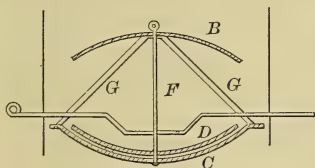
53603—S. Godfrey—*Grinding Mill.*



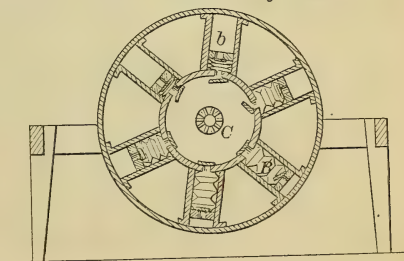
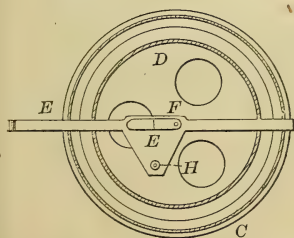
53606—J. P. Gruber—*Filtering Apparatus.*



53605—D. L. Grover—*Stove Pipe Damper.*



53609—F. Hainsworth—*Rotary Blower.*





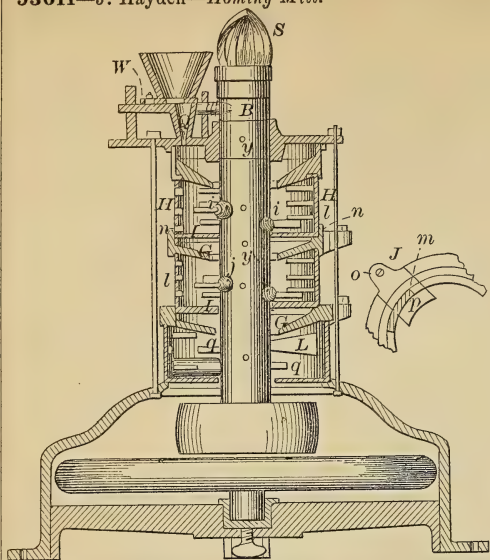
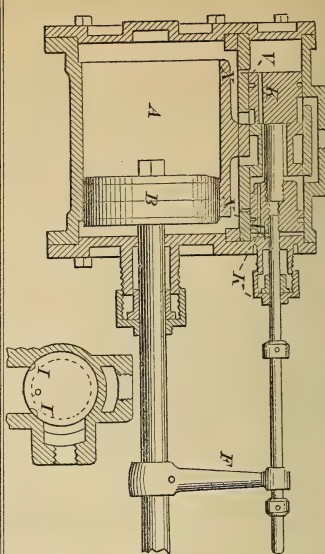
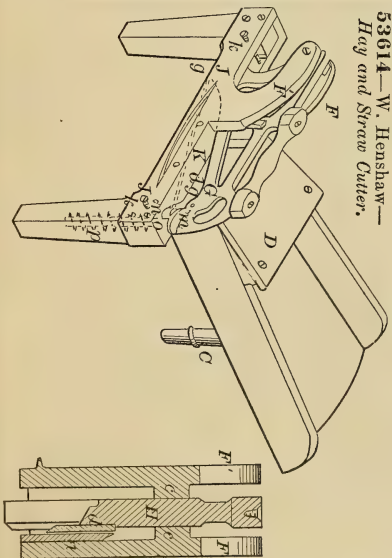
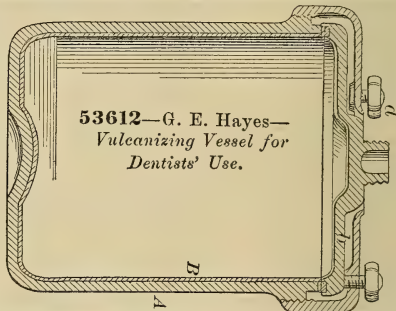
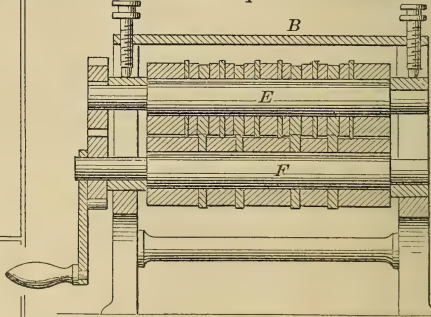
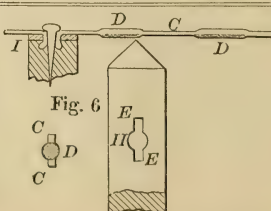
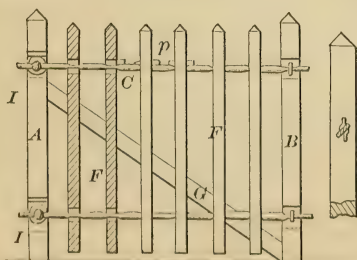
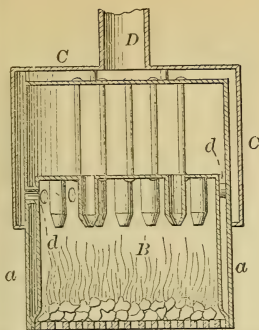
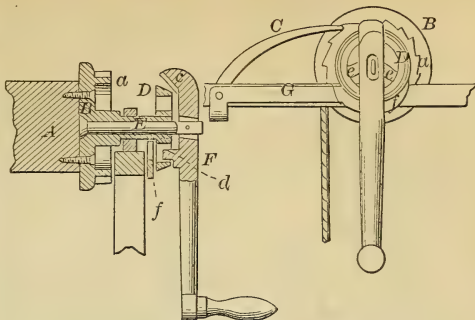
53611—J. Hayden—*Hominy Mill.*53613—W. M. Henderson—*Steam Engine.*53614—W. Henshaw—*Hay and Straw Cutter.*53612—G. E. Hayes—*Vulcanizing Vessel for Dentists' Use.*53615—S. B. Hill—*Paper Bosom Machine.*53616—W. D. Hillis—*Fence.*

Fig. 6

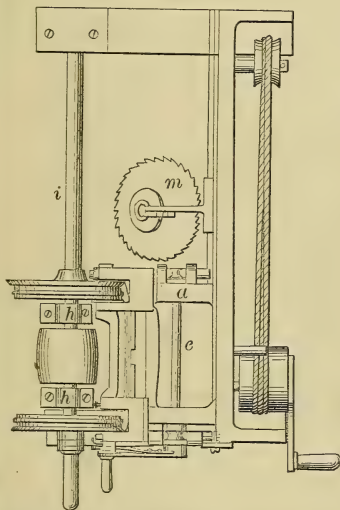
**53617**—B. Holly—*Steam Generator.*



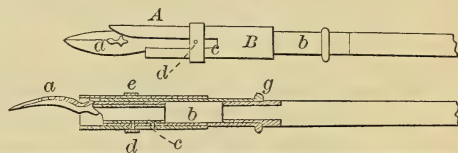
**53621**—E. Hoyt—*Water Elevator.*



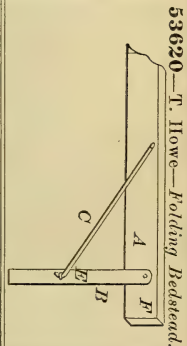
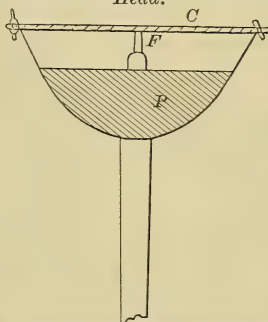
**53618**—A. H. Hook—*Stave Machine.*



**53622**—T. S. Hudson—*Pen.*

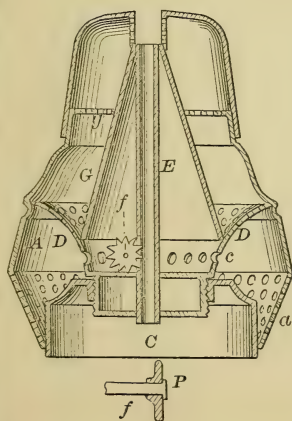


**53624**—J. E. Hunter—*Broom Head.*

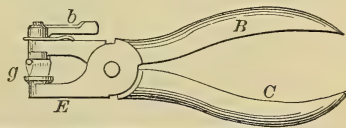


**53620**—T. Howe—*Folding Bedstead.*

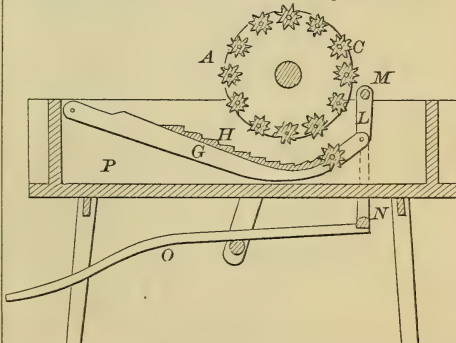
**53623**—J. G. Hunt—*Lamp Burner.*



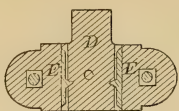
**53619**—J. A. & H. A. House—*Button Hole Cutter.*



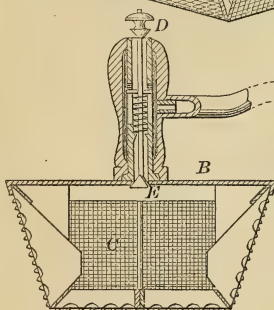
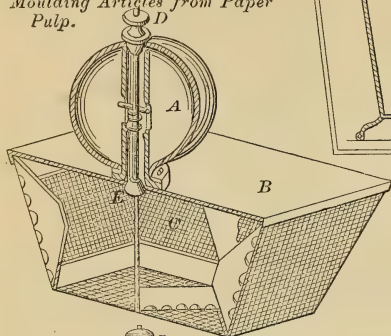
**53626**—W. Kenderline—*Washing Machine.*



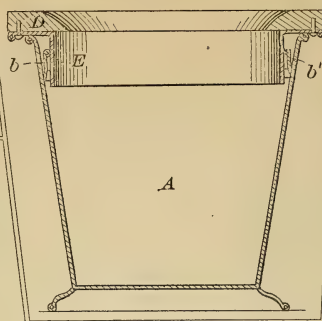
**53627**—M. C. Kilgore—*Stop Cock.*



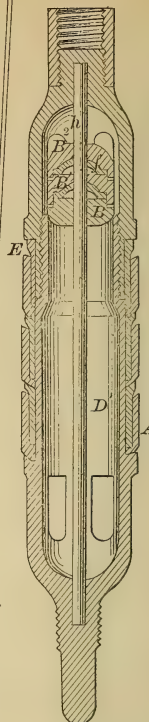
**53631**—E. H. Knight—*For Moulding Articles from Paper Pulp.*



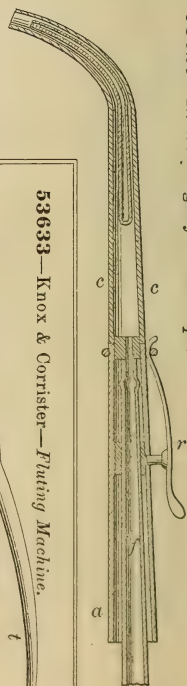
**53632**—W. W. Knight—*Chamber Bucket.*



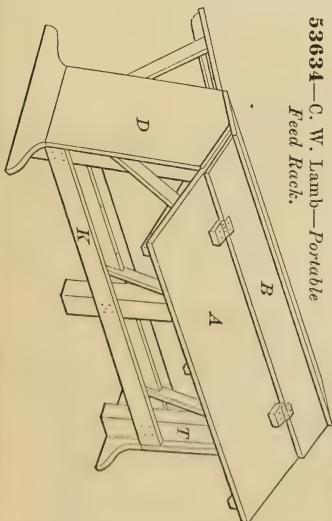
**53630**—E. Y. Kneeland—*Piston for Deep Well Pumps.*



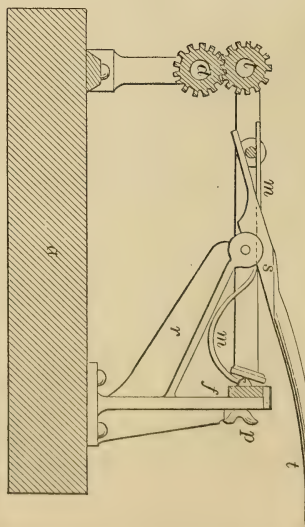
**53629**—N. W. Kingsley—*Blow Pipe.*



**53634**—C. W. Lamb—*Portable Feed Rack.*

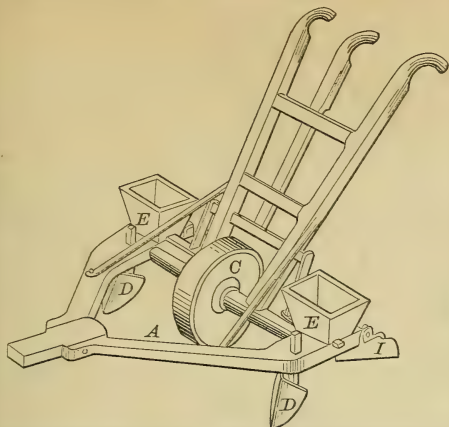


**53633**—Knox & Corrister—*Fluting Machine.*

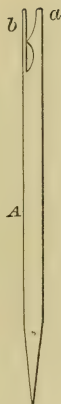
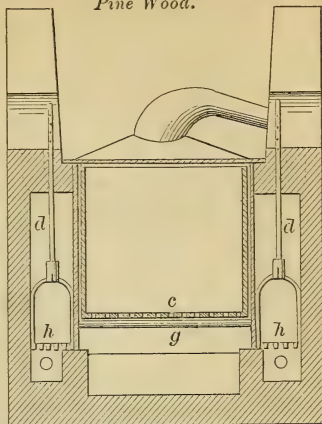




53635—J. N. Lane—Seed Planter.



53641—J. A. Mattocks—Distilling Pine Wood.

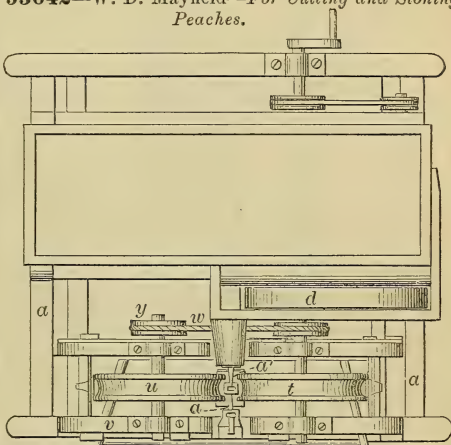


53638—O. Low—Tug Needle.

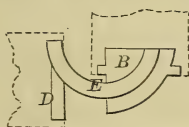


53639—Lusk & Wells—Car Coupling.

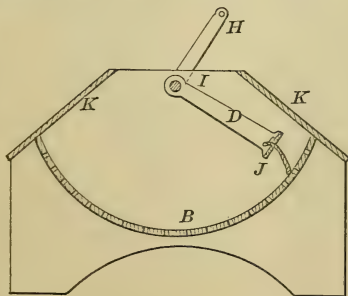
53642—W. D. Mayfield—For Cutting and Stoning Peaches.



53637—J. R. Lomas—Hinge.

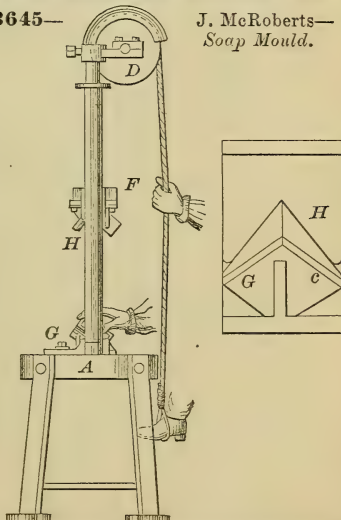


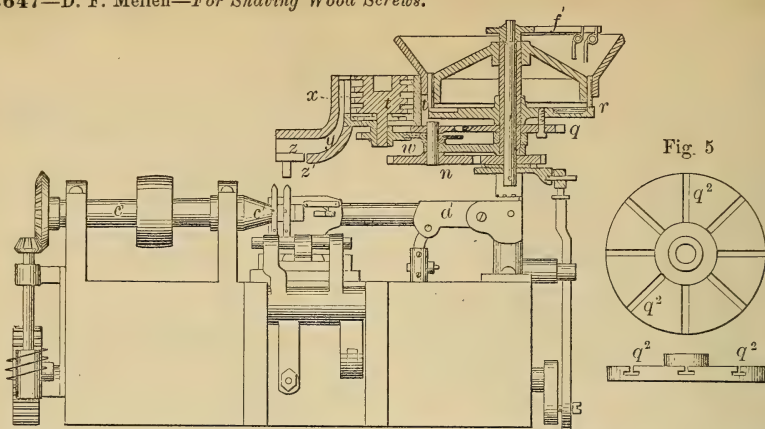
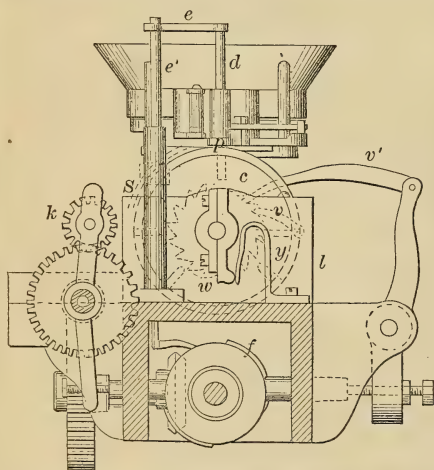
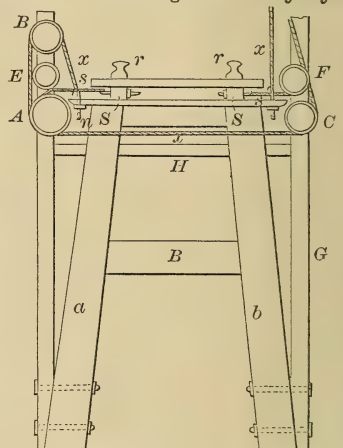
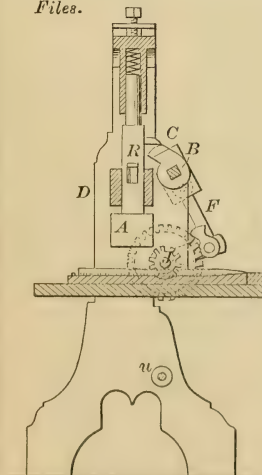
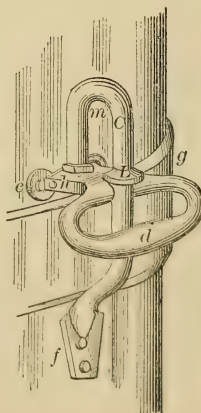
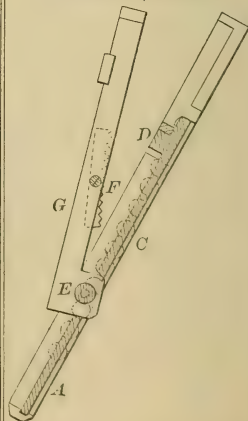
53644—W. C. McGill—Flour Sifter.



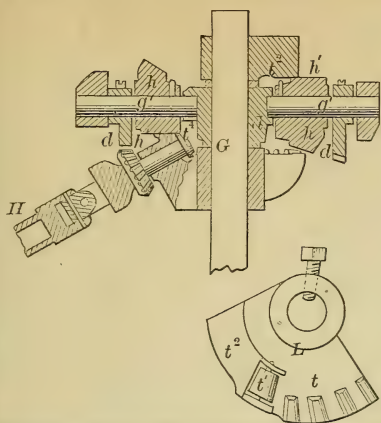
53645—

J. McRoberts—Soap Mould.

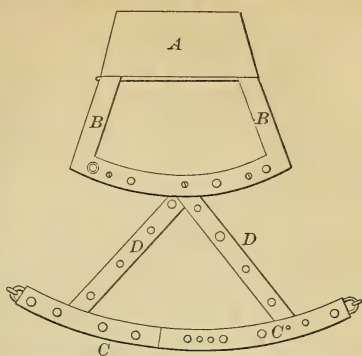


53647—D. F. Mellen—*For Shaving Wood Screws.*53648—D. F. Mellen—*For Nicking Screws.*53651—P. F. Milligan—*Railway Signal.*53650—G. Miller—*For Cutting Files.*53649—C. Millar—*Handle for Milk Cans, &c.*53652—H. C. Moody—*Washing Machine.*

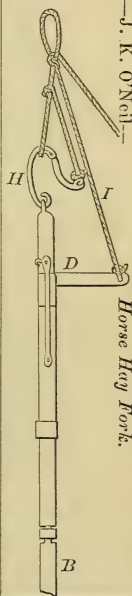
53653—C. Moul—*Harvester Rake.*



53654—J. H. Mumma—*Broom Head.*

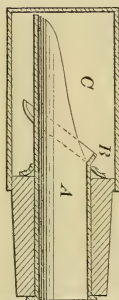


53660—J. K. O'Neill—

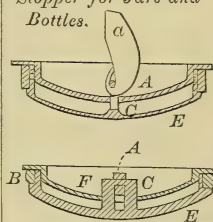


*Horse Hay Fork.*

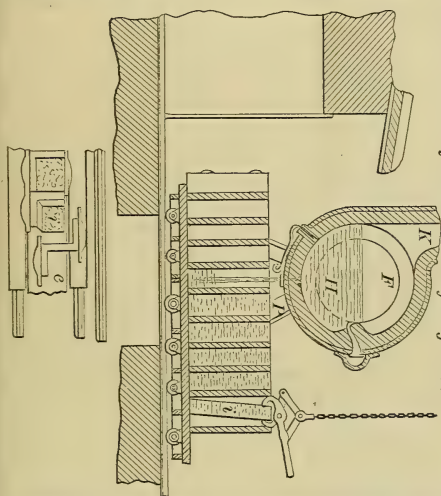
53655—L. B. Myers—*Stopper for Bottles.*



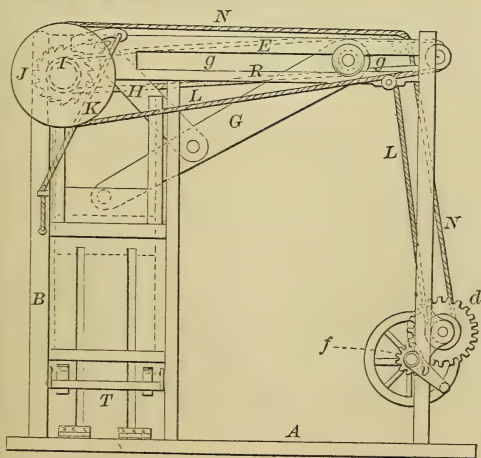
53659—T. O. Oliver—*Stopper for Jars and Bottles.*



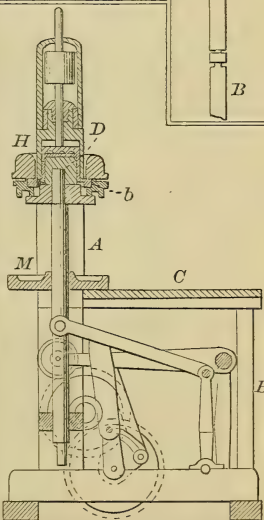
53658—J. W. Nystrom—*for Refining Iron.*



53657—W. Norman—*Press.*

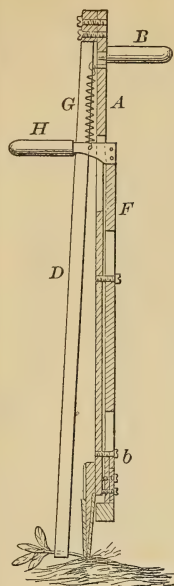


53661—Osterheld & Eickmeyer—*Machine for Blocking and Shaping Hats.*

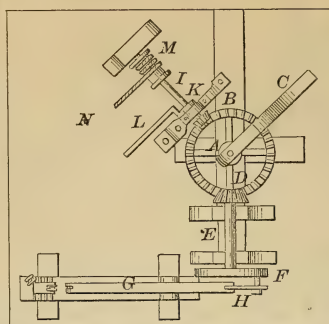




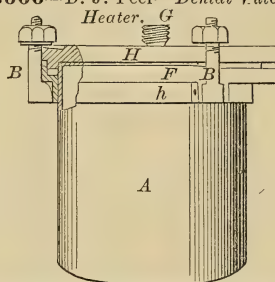
53662—E. W. Parker—*For Setting Out Plants.*



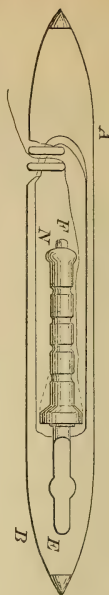
53664—Partridge & Johnson—  
*Horse Power.*



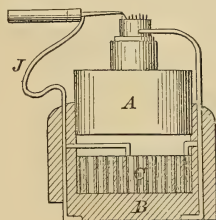
**53666**—D. J. Pcer—*Dental Vulcanizing Heater, G*



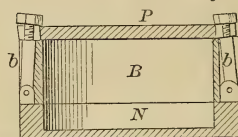
53665—0. Pearl—*West Bobbin.*



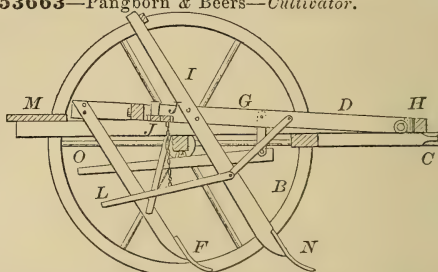
53669—G. G. Percival, M. D.—  
*Electrical Lamp.*



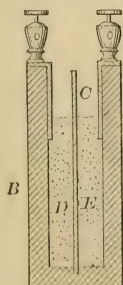
53667—D. J. Peer—*Vulcanizing Flask.*




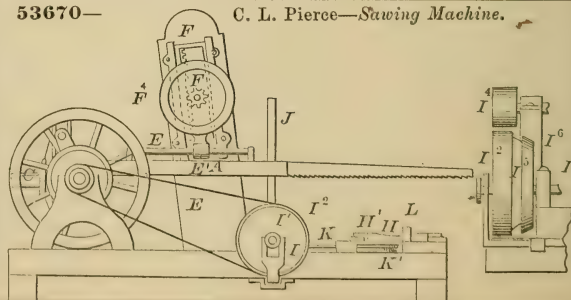
53663—Pangborn & Beers—*Cultivator*.



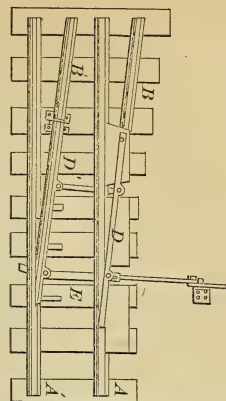
53668—  
G. G. Percival, M. D.—  
*Secondary Electric Pile.*



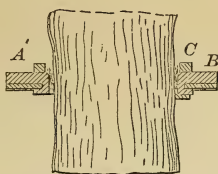
53670—  C. L. Pierce—*Sawing Machine.*



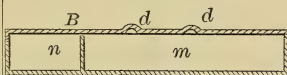
53674—P. Quinn—Railway Switch.



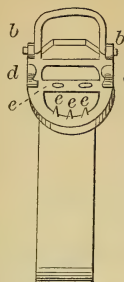
53672—J. L. Piper—Tree Protector.



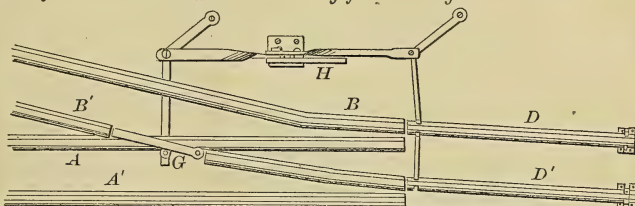
53678—H. Reimann—Box for Cigar Fuses.



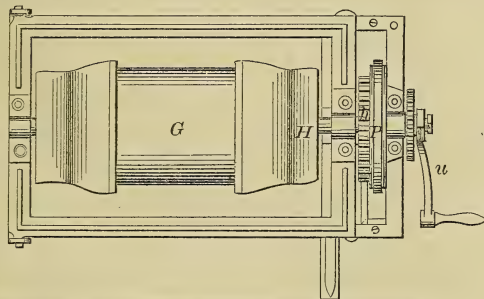
53671—G. D. Pike—Spring Lever Clasp.



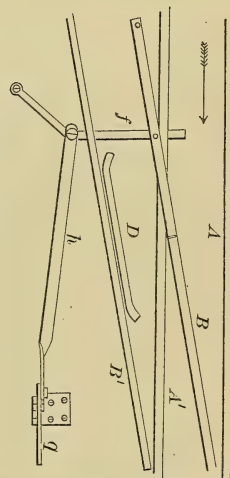
53675—P. Quinn—Combined Switch and Frog for Railways.



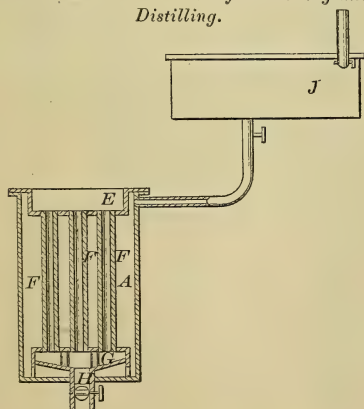
53676—G. Race—Water Elevator.



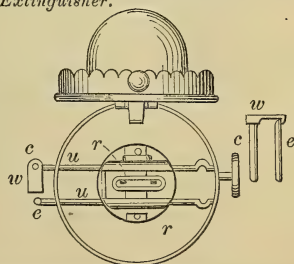
53673—P. Quinn—Railway Frog.



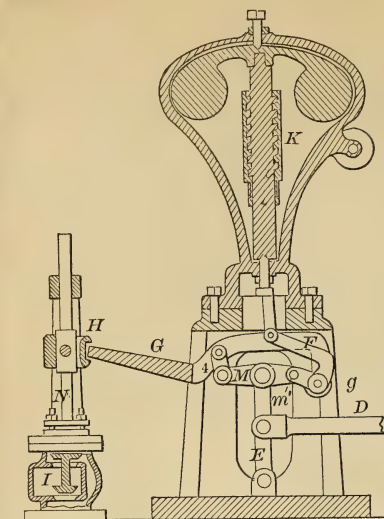
53677—L. Reich—Cooler for Brewing and Distilling.



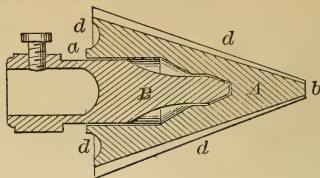
53679—Richardson & Ward—Lamp Extinguisher.



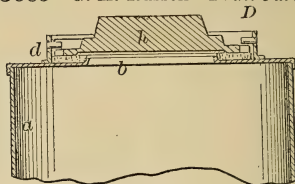
53680—J. T. Rich—*Cut-off Valve Gear.*



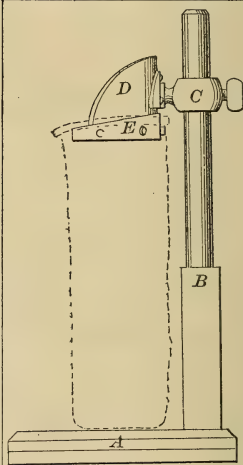
53683—R. Rothwell—*Lathe Chuck.*



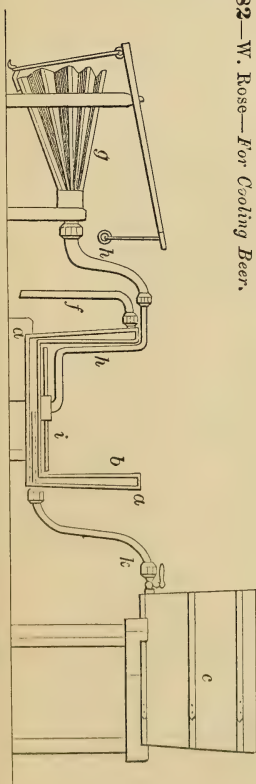
53685—G. H. Russell—*Fruit Jar.*



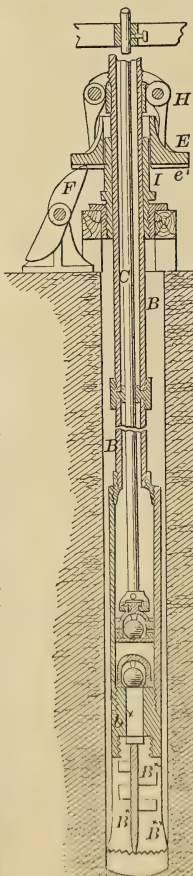
53681—S. S. Rockwell—*Bay Holder*.



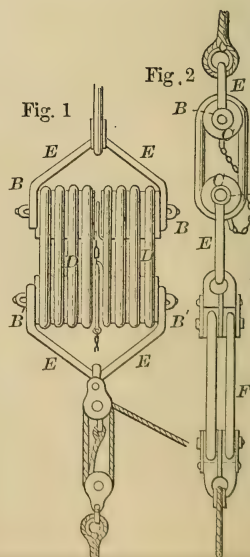
53682—W. Rose—*For Cooling Beer.*



53686—A. Saffer—Boring Artesian Wells.

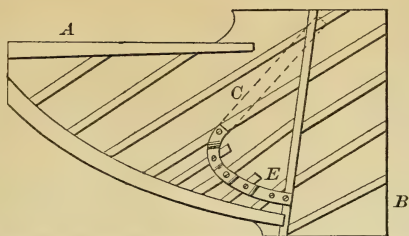


53684—T. W. Roys—*For Raising Sunken Whales and other*

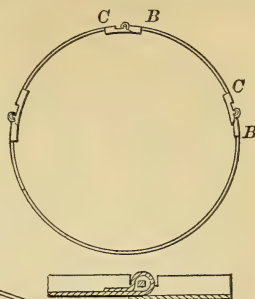




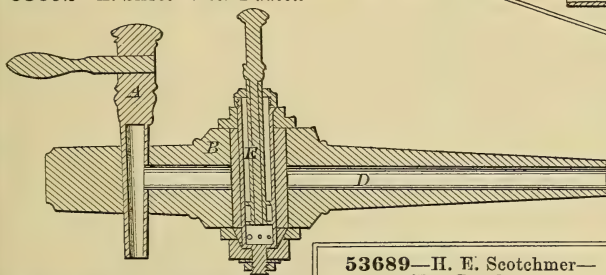
53687—P. Schuler—*Sound Board for Pianos.*



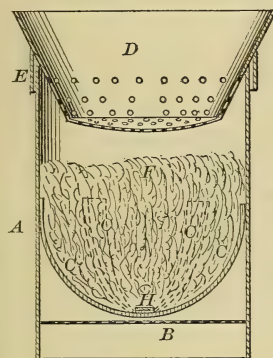
53691—S. J. Sherman—*Skeleton Skirt.*



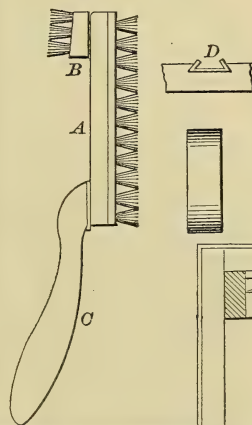
53692—E. Sirret—*Beer Faucet.*



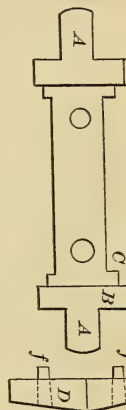
53693—J. L. Smith—*Syrup Filter.*



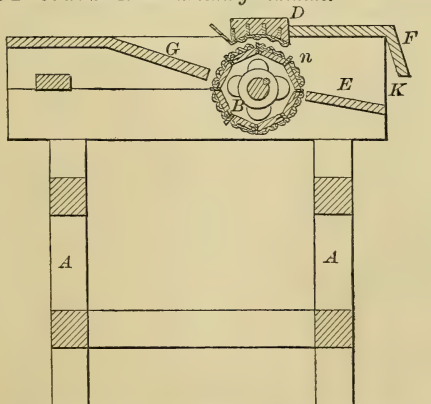
53689—H. E. Scotchmer—*Shoe Brush.*



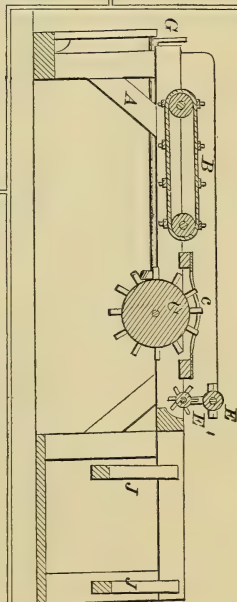
53690—G. T. Sheldon—*Mould for Casting Flanged Pipe.*

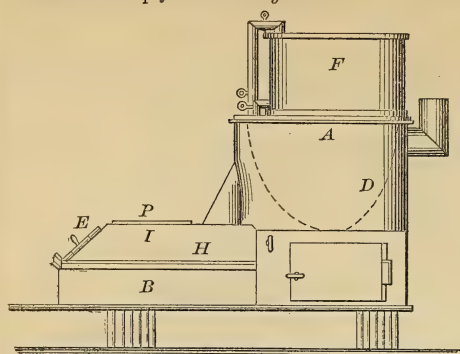
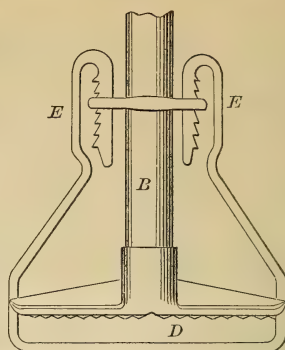
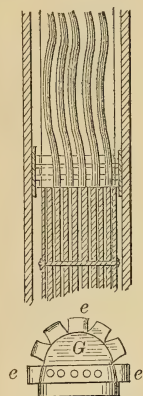
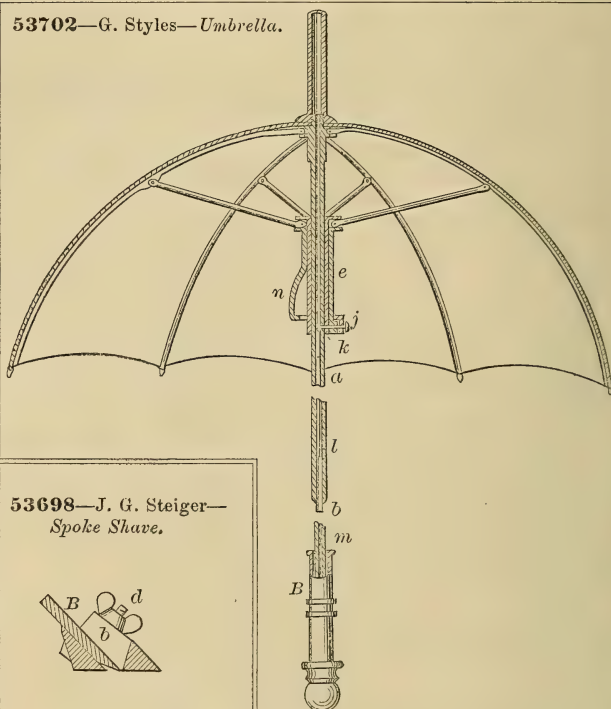
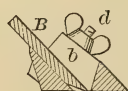
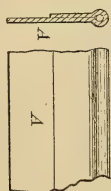
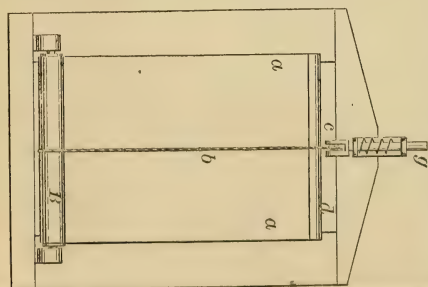
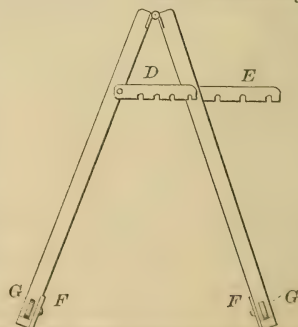


53694—J. P. Smith—*Threshing Machine.*

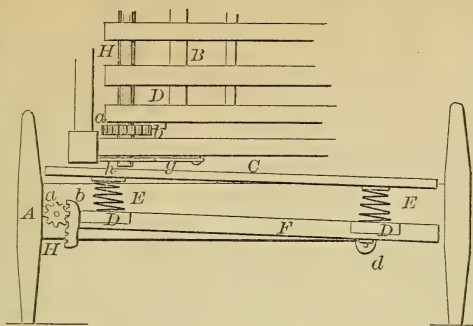


53696—J. M. Spencer—*For Stripping Sorghum.*

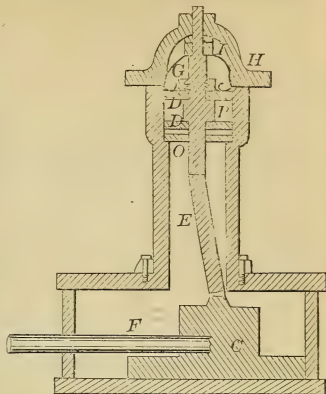


53697—H. Squyer—*Laundry Stove.*53704—L. H. Thomas—*Mop Head.*53700—J. Story—*Telegraph Cable.*53702—G. Styles—*Umbrella.*53698—J. G. Steiger—*Spoke Shave.*53699—C. Stone—*Piping for Boots and Shoes.*53703—J. B. Tarr—*Curtain Fixture.*53705—S. I. Trask—*Clothes Dryer.*

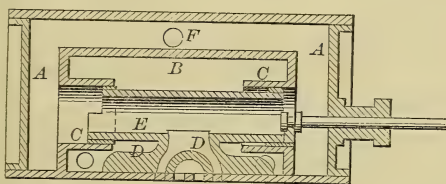
53706—E. W. Tucker—*Bed Bottom.*



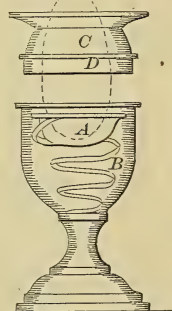
53708—Vanbebber, Sallee & Britton—*Balanced Slide Valve.*



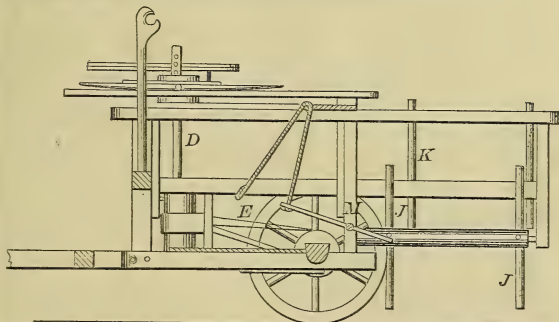
53707—R. D. Turner—*Slide Valve.*



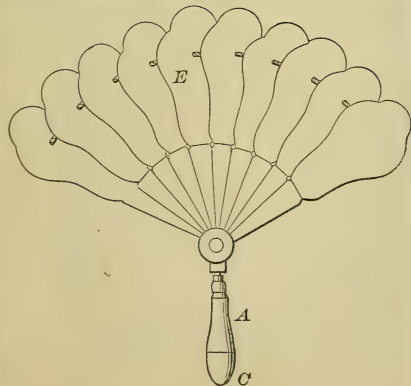
53712—F. Wegrather—*Egg Holder.*



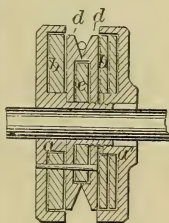
53710—Wallis & Miller—*Corn Harvester.*



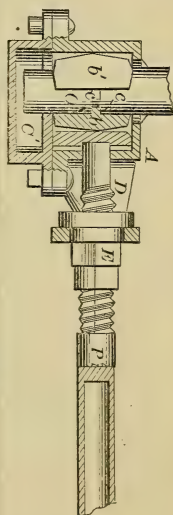
53714—T. Welham—*Fan.*



53711—A. Warth—*Pulley.*

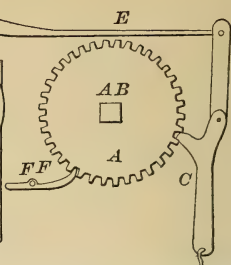
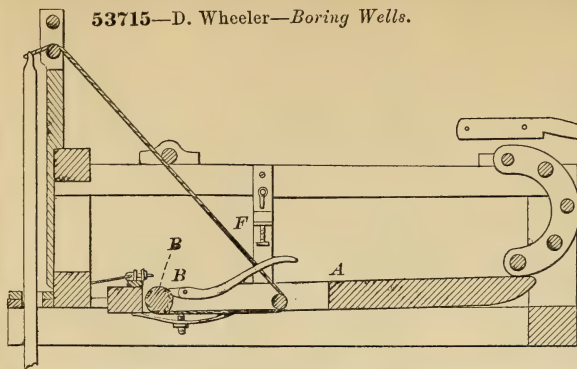


53713—T. Welch—*Harvesting Machine.*

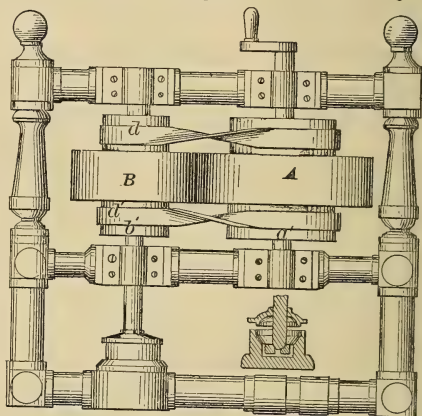




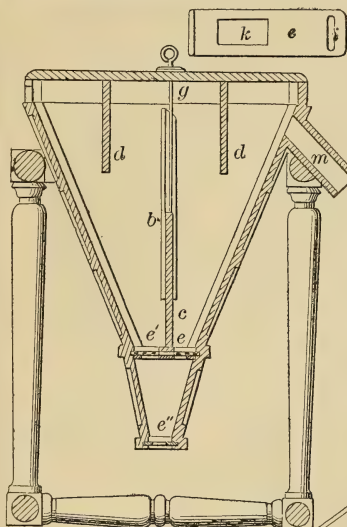
53715—D. Wheeler—Boring Wells.



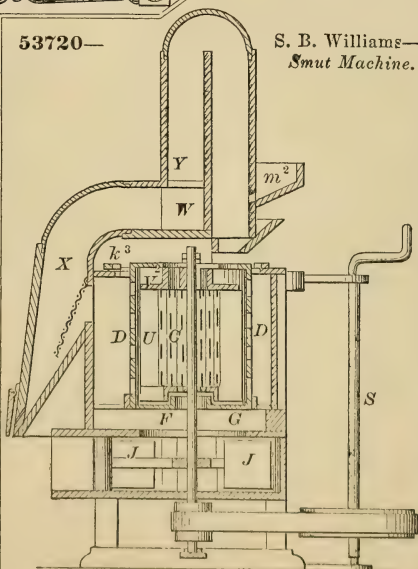
53717—J. D. Whelpley—Friction Gearing.



53718—Whelpley &amp; Storor—Separating Ores.

S. B. Williams—  
Smut Machine.

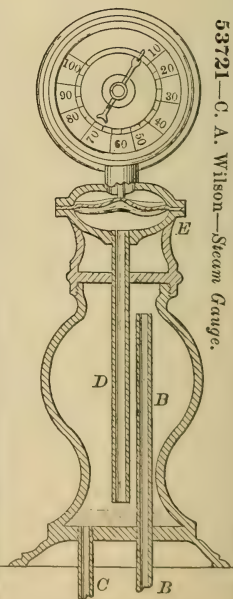
53720—



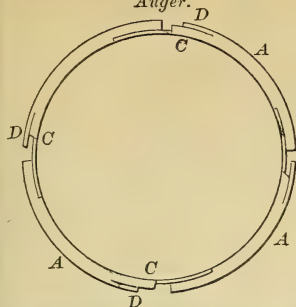
53719—L. C. White—Scissors.



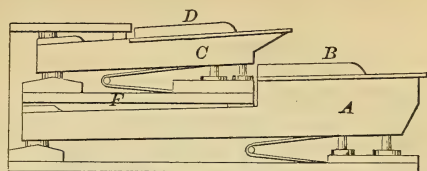
53721—C. A. Wilson—Steam Gauge.



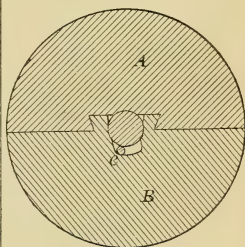
**53722**—A. Wyckoff—*Hollow Auger.*



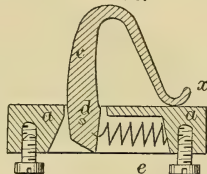
**53728**—M. Baumgarten—*Organ Key Board.*



**53730**—R. Chandler—*Clamp Pulley.*



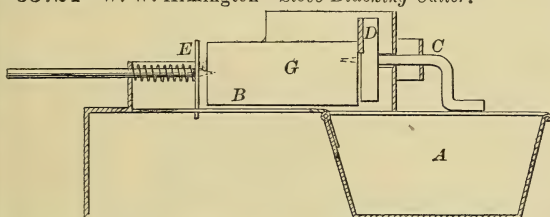
**53726**—C. A. Ball—*Check Hook.*



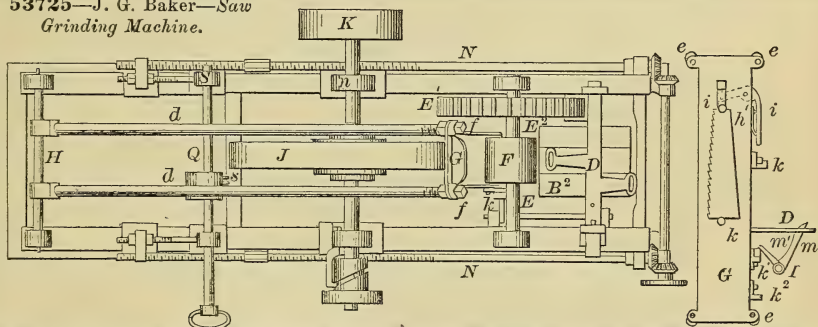
**53723**—W. C. Wyckoff—*Postage Stamp.*



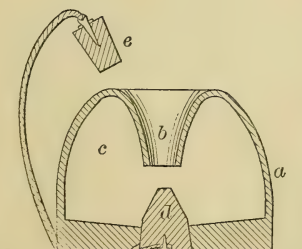
**53724**—W. W. Armington—*Stove Blacking Cutter.*



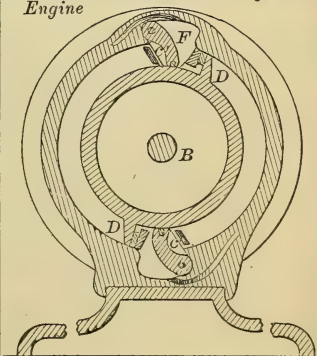
**53725**—J. G. Baker—*Saw Grinding Machine.*



**53729**—H. Bradford—*Inkstand.*

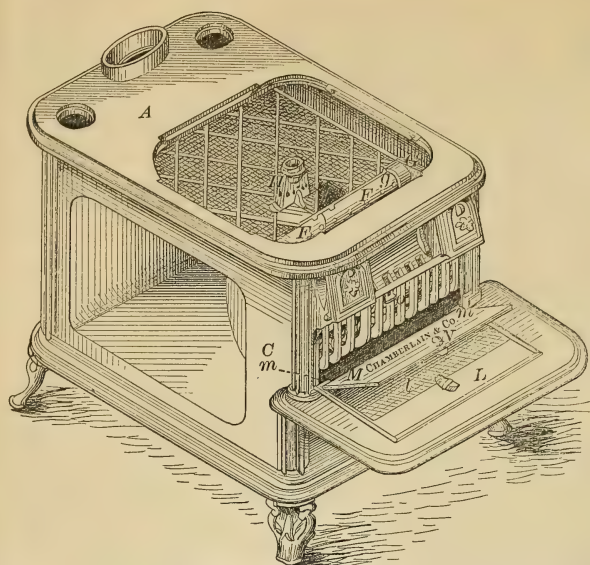
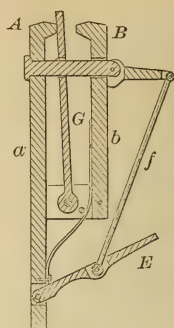
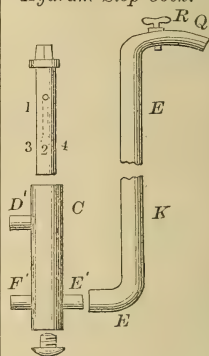
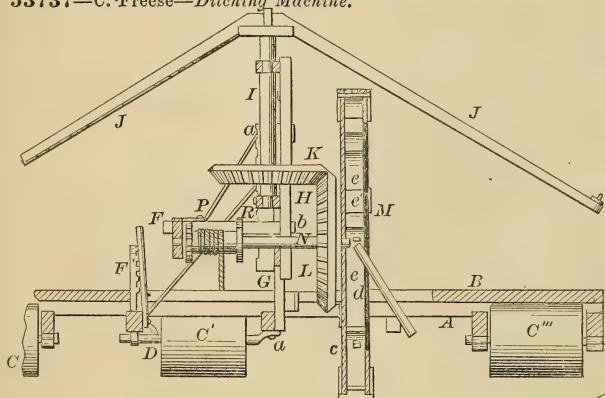
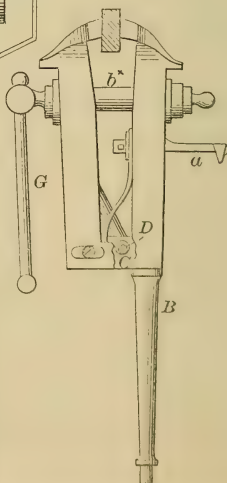
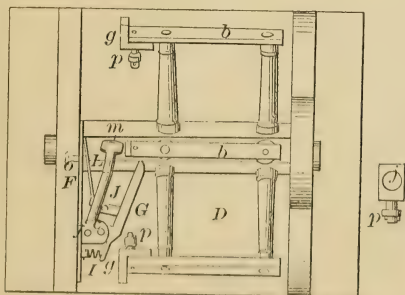


**53731**—J. Collicott—*Rotary Steam Engine*



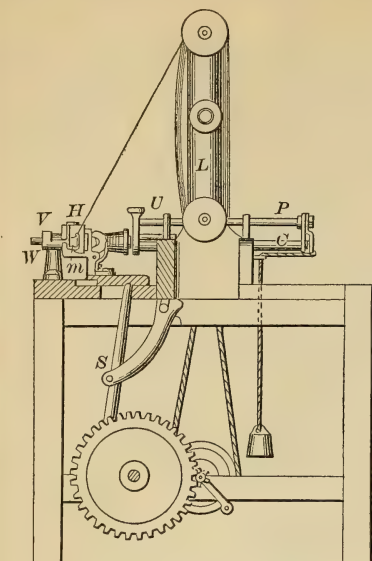
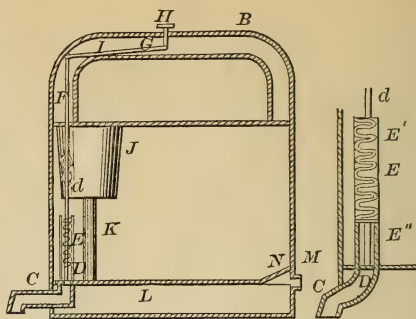
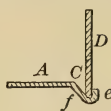
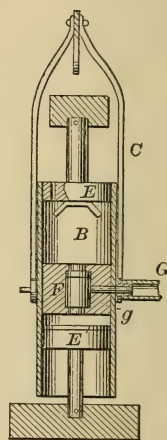
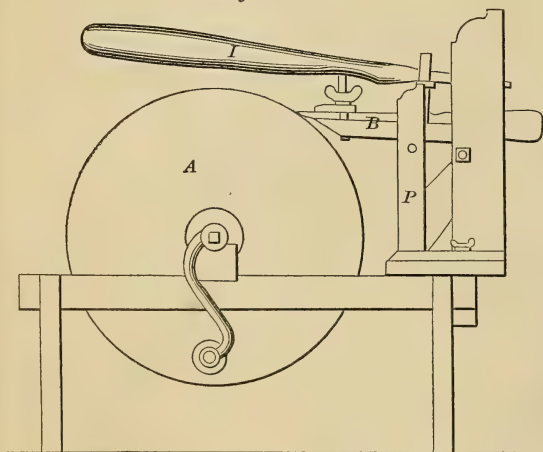
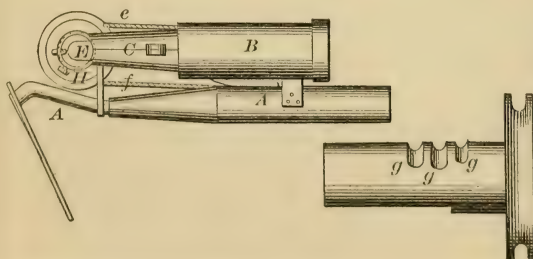
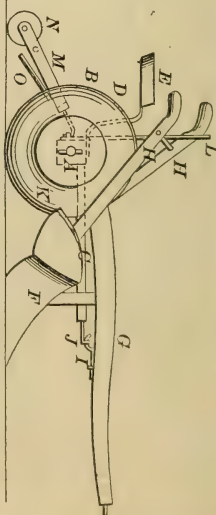
**53727**—Barnes & Brown—*Curtain Fixture.*



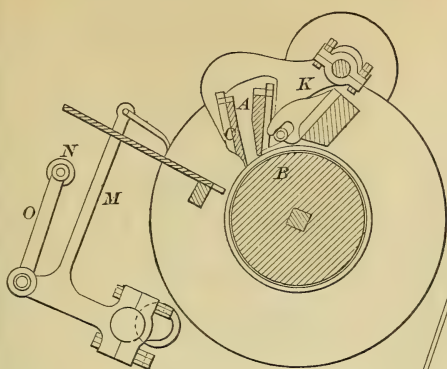
53732—J. B. Crowley—*Cooking Stove.*53733—W. Delano—*Calking Vise.*53736—H. L. Frailey—*Hydrant Stop Cock.*53737—C. Freese—*Ditching Machine.*53738—R. Jones—*Vise.*53735—J. H. Fairchild—*Grain Separator.*53734—W. Devines—*Correct Buckle Clasp.*



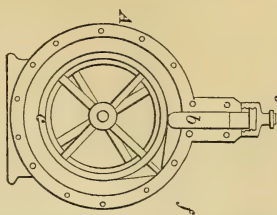


**53746**—W. Orr Jr.—*For Winding Yarn.***53748**—L. T. Richer—*Water Can for Cars.***53751**—G. F. Stone—*Sheet Metal Can.***53750**—H. M. Stoker—*Pump.***53747**—J. Richardson—*Machine for Holding and Grinding Edge Tools.***53752**—Tyler & Tattershall—*Hand Corn Planter.***53749**—M. Roberts—*Attachment in Plows.*

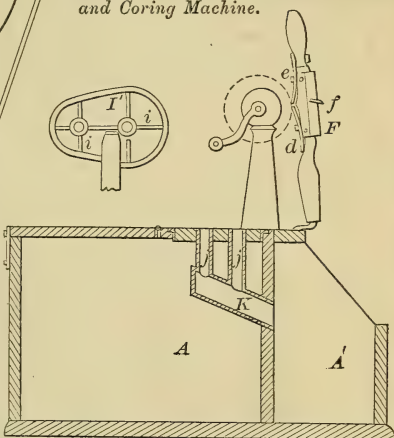
53753—E. A. Cowper—Cotton Gin.



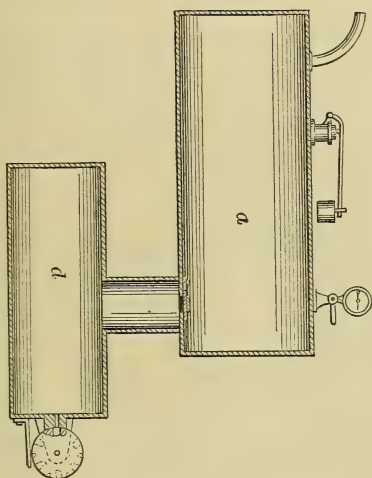
53755—R. D. Wright—Rotary Engine.



53754—W. Weaver—Paring, Cutting and Coring Machine.



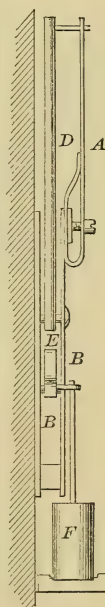
53758—J. Gros—Compressed Gas Generator.



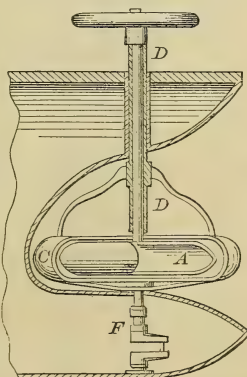
53756—C. P. Coles—For Protecting the Bottoms of Ships.



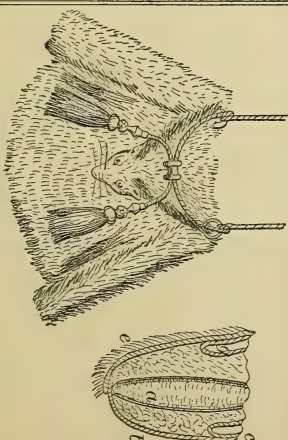
53757—C. Dion—Fire Alarm.



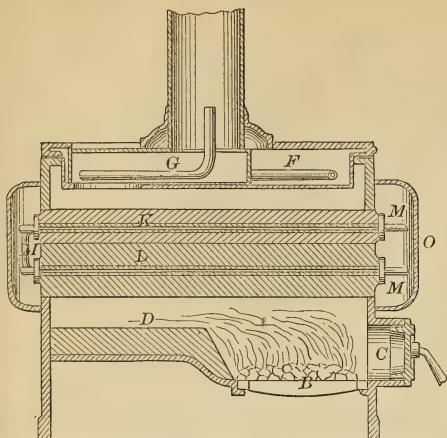
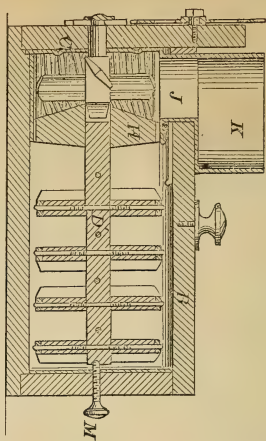
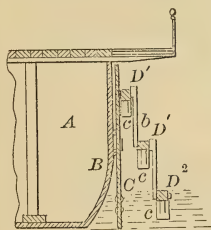
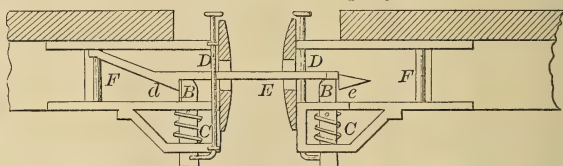
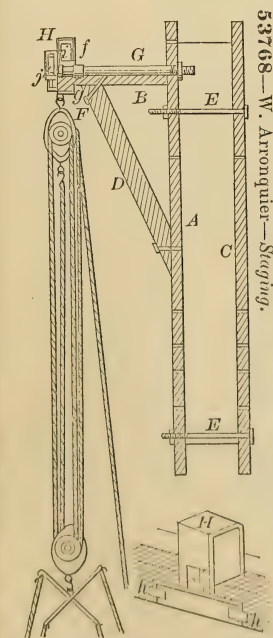
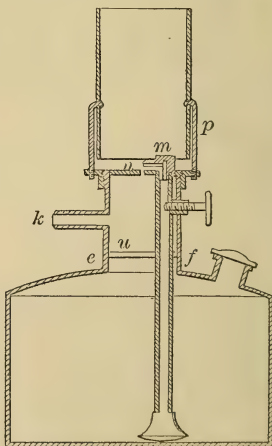
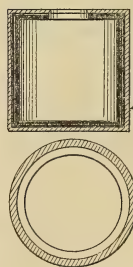
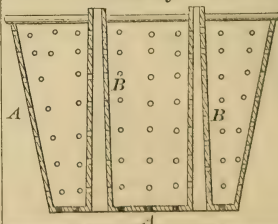
53759—J. Jopling—Propelling and Steering Apparatus.



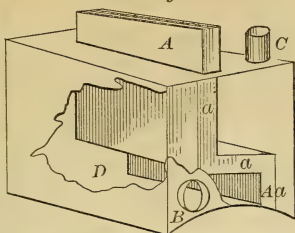
53760—M. Mahler—Muff.



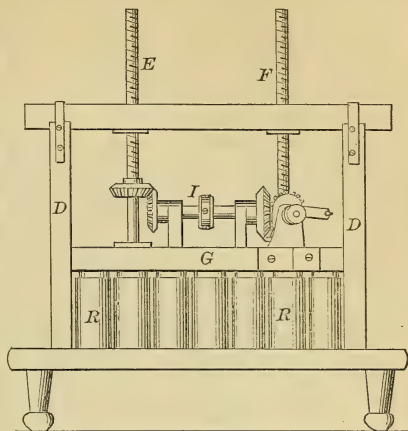


53761—P. C. Moller—*Steam Generator.*53766—L. O. Allen—*Churn.*53762—A. Raphin—*Propeller for Vessels.*53764—A. B. & F. S. Taft—*Car Coupling.*53763—A. Schpakofsky—*Burning Liquid Hydro-Carbon.*53768—W. Arronquer—*Steeping.*53765—Ackley & Truax—*Manufacture of Cans.*53767—E. S. Alvord—*Well.*53769—E. H. Ashcroft—*Cistern for Draining Peat.*

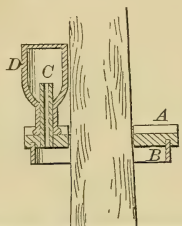
**53770**—Aspinwall & Whitlock—*Chimney.*



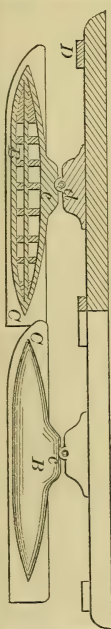
**53777**—J. Budlong—*Manufacture of Cheese.*



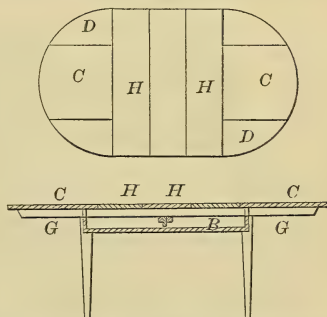
**53772**—B. Beach—*Tree Protector.*



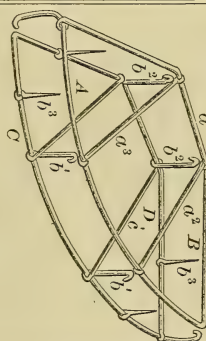
**53775**—A. T. Boon—*Float for Boats.*



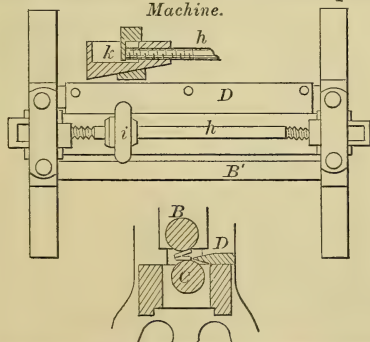
**53774**—W. Bedle—*Table.*



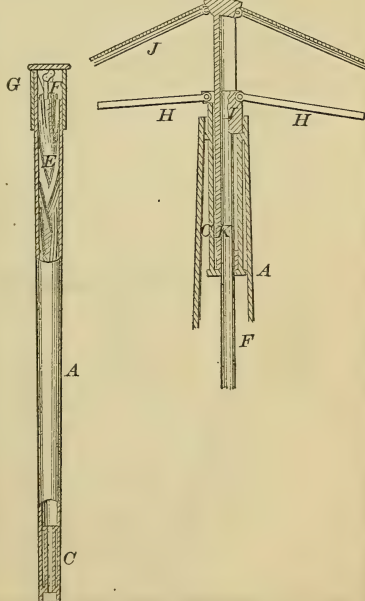
**53776**—T. F. Boyer—*Clamp for Brooms.*



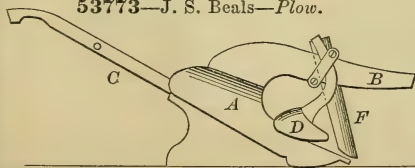
**53771**—Baldwin & Hawkins—*Leather Splitting Machine.*

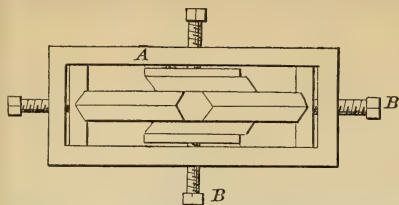
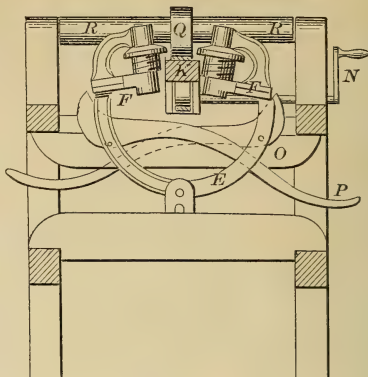
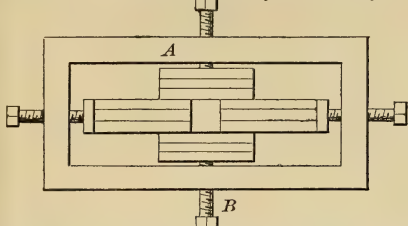
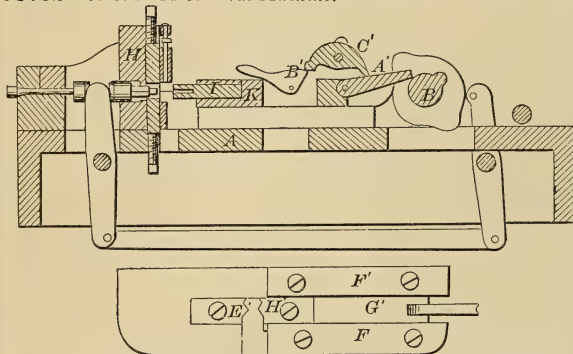
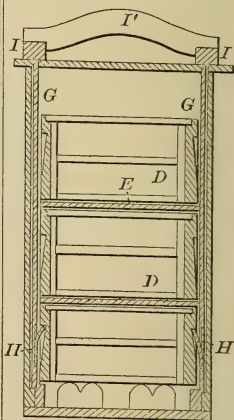
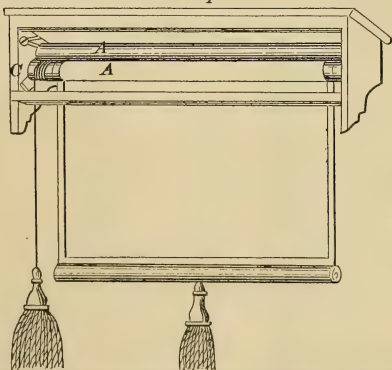
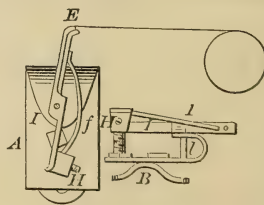
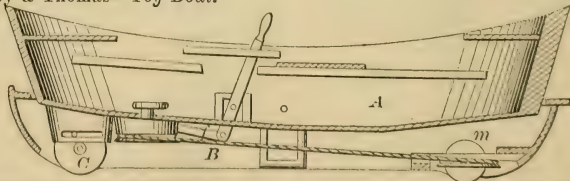


**53778**—P. T. Brownell—*Combined Umbrella and Cane.*



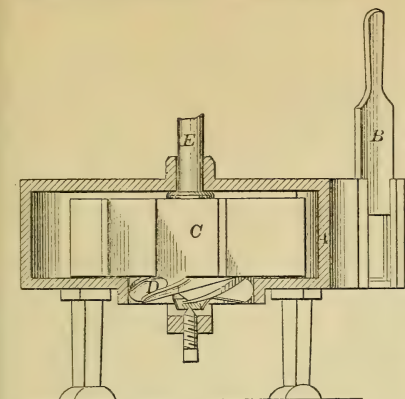
**53773**—J. S. Beals—*Plow.*



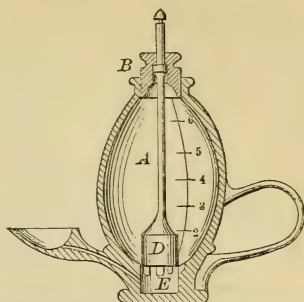
53780—O. C. Burdick—*Die for Nut Machines.*53784—T. Cheshire—*Stave Machine.*53781—O. C. Burdick—*Die for Punching.*53782—O. C. Burdick—*Nut Machine.*53785—J. B. Child—*Beehive.*53786—L. A. Colbert—*Paper Window Shade.*53783—Chandler & Goodrich—*Thread Tension Device for Sewing Machines.*53787—Colby & Thomas—*Toy Boat.*



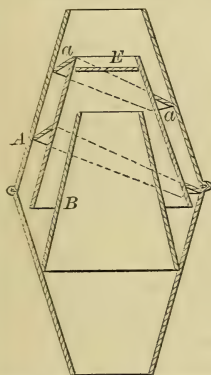
53788—A. P. Conant—Water Wheel.



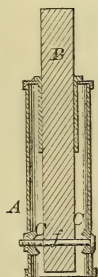
53790—S. Curtiss, Jr.—For Administering Medicine.



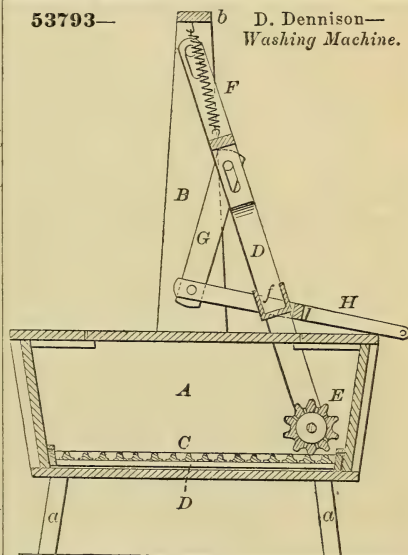
53789—T. R. Cook—Stove Pipe Drum.



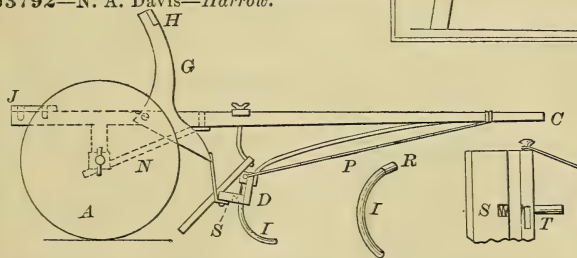
53791—J. Danner—Broom Head.



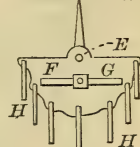
53793—D. Dennison—Washing Machine.



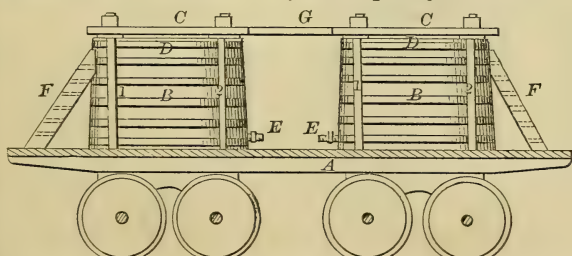
53792—N. A. Davis—Harrow.



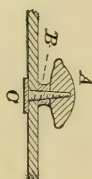
53795—M. W. E. Doran—Plumb Level.

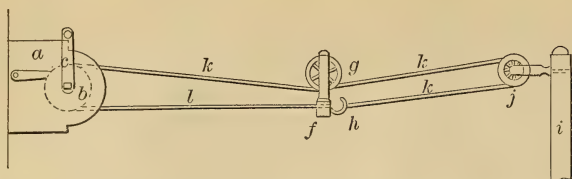
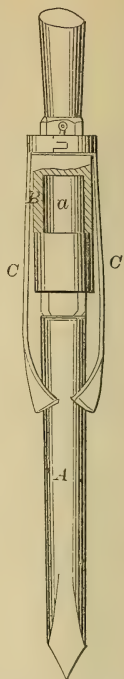
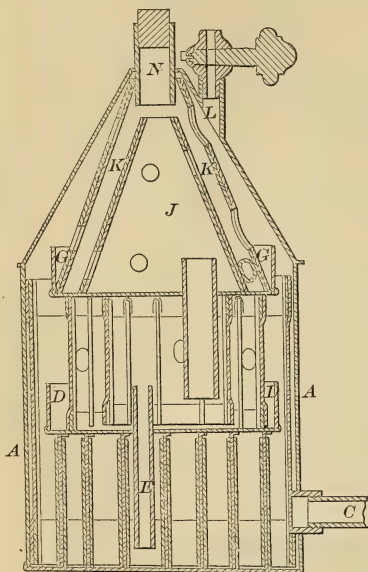
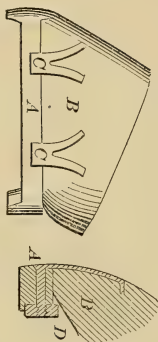
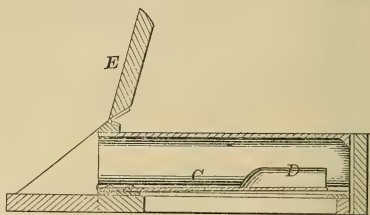
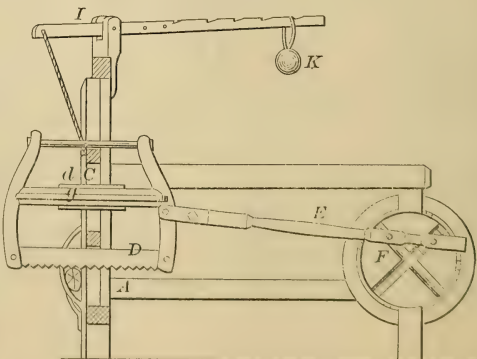
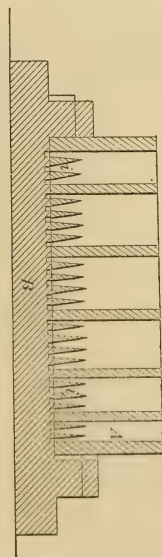


53794—J. & A. Densmore—Car for Transporting Petroleum.

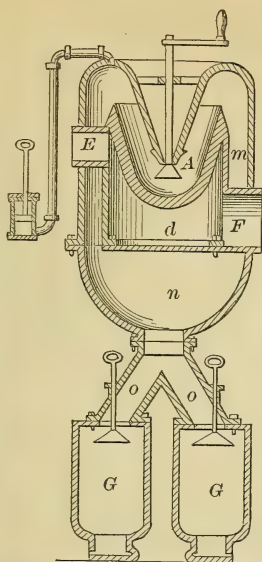


53796—F. Douglas—Button.

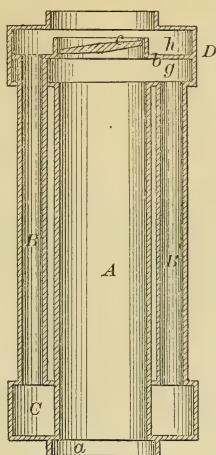


53797—Epperson & Farrell—*Clothes Dryer.*53802—F. Fohr—*Well Borer.*53798—H. Fairbanks—*Carburetted Air.*53801—J. W. Faulkner—*Horse Shoe.*53803—J. & E. Foster—*Musical Instrument.*53804—Fryatt & Edmonds—*Sawing Machine.*53799—G. P. Farmer—*For Sticking Needles into Paper.*

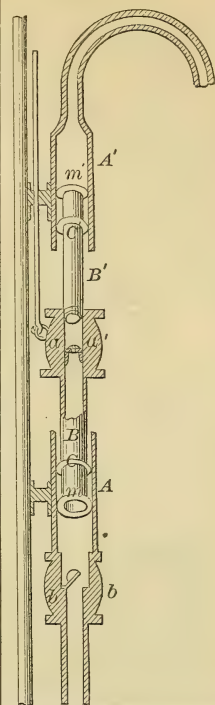
**53805**—W. M. Fuller—*Amalgamator.*



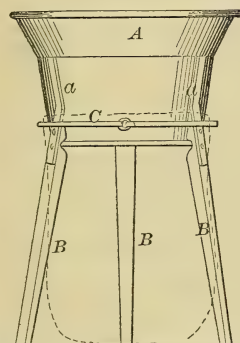
**53806**—M. Gage—*Stove Pipe Drum.*



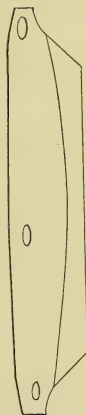
**53810**—J. Goodyear—*Pump.*



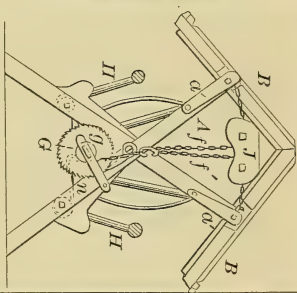
**53809**—C. F. Gillett—*Bag Holder.*



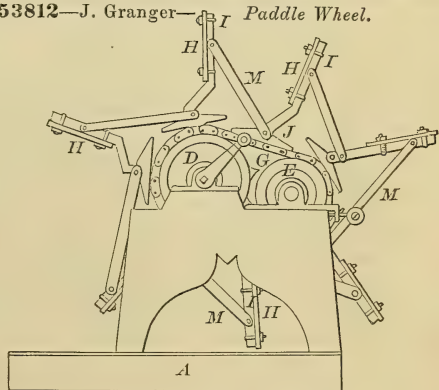
**53808**—H. C. Gibson—*Water Proof Collar.*



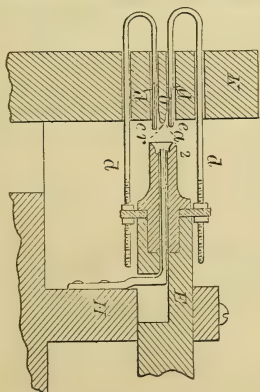
**53811**—G. F. & T. M. Goudy—*Sheep Rack.*



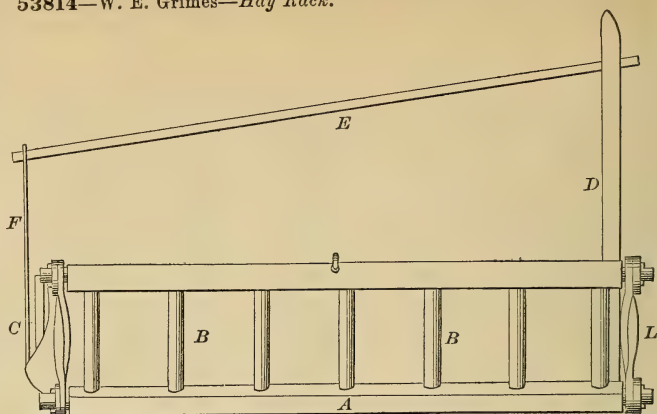
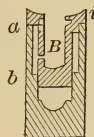
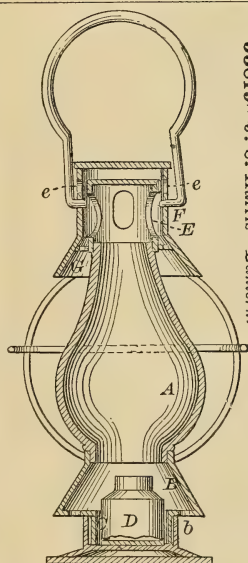
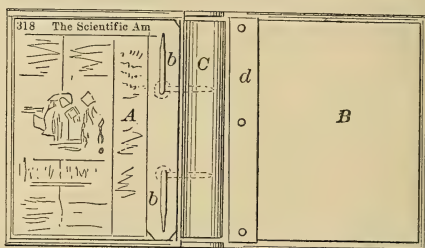
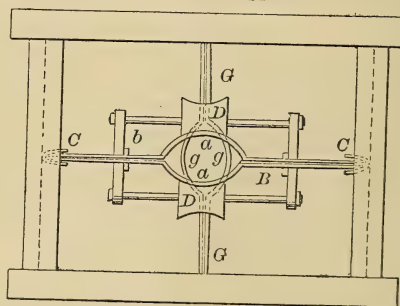
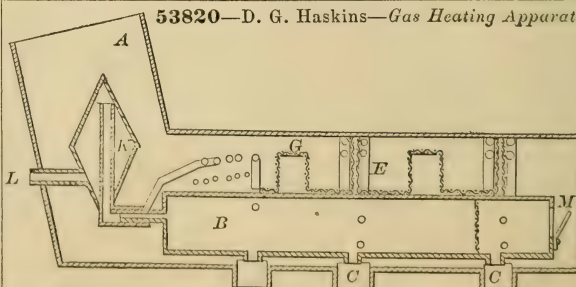
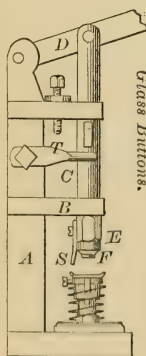
**53812**—J. Granger—*Paddle Wheel.*



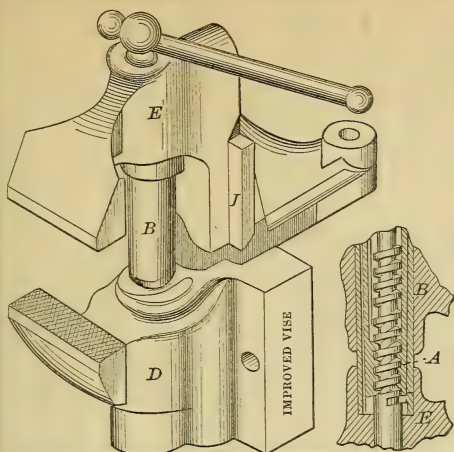
**53807**—F. Garrick—*Eyelet Machine.*



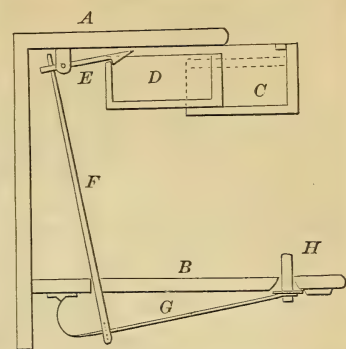


53814—W. E. Grimes—*Hay Rack.*53813—Griffin & Marsh—*Step for Spindles.*53819—J. O. Harris—*Lantern.*53817—J. C. Hadden—*Letter File.*53818—J. A. Hull—*Cane Stripper.*53820—D. G. Haskins—*Gas Heating Apparatus.*53816—T. Guilford—*Machine for Pressing Glass Buttons.*

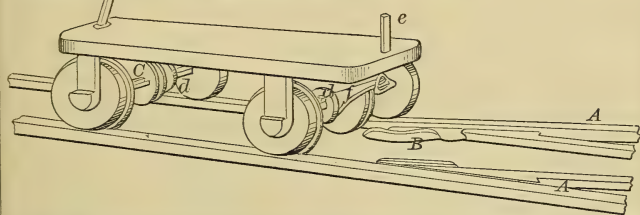
53821—S. S. Hepworth—Smith's Vise.



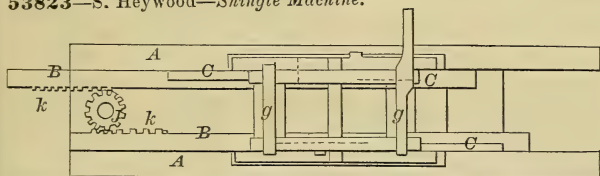
53827—S. Hubbell, Jr.—Catch for Money Drawers.



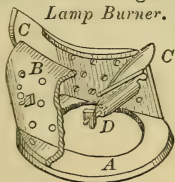
53822—J. A. Heyl—Switch for Street Cars.



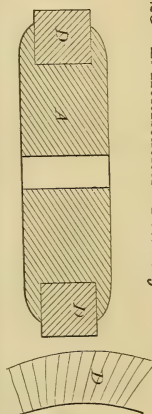
53823—S. Heywood—Shingle Machine.



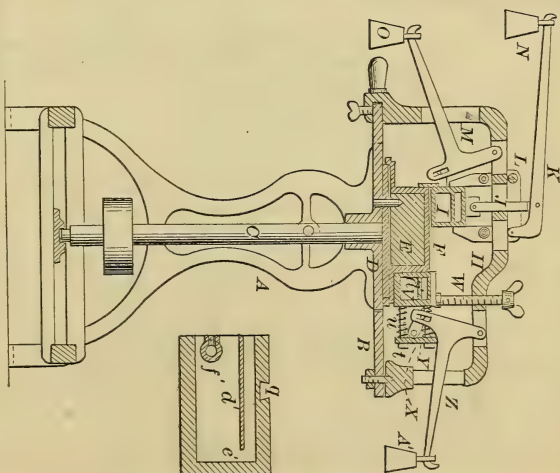
53824—G. Hillegrass—Lamp Burner.



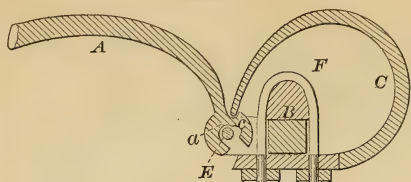
53825—L. Holtzschneider—Polishing Wheel.



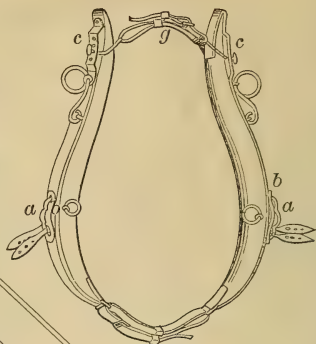
53826—N. B. Hooper—Hat Pressing Machine.



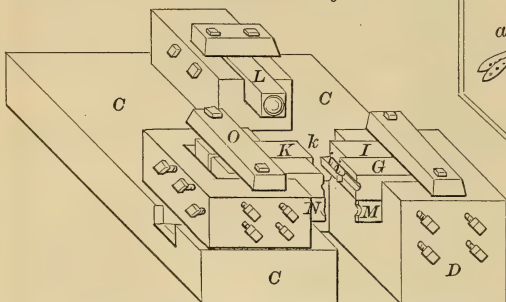
**53828**—W. R. S. Hunter—*Attaching Thills to Carriages.*



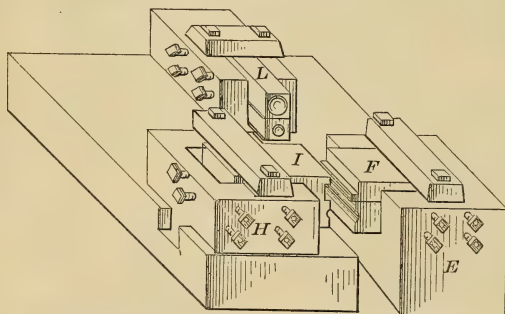
**53830**—F. X. Kaffer—*Hame.*



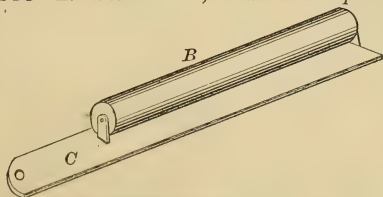
**53831**—C. & J. Kane—*Bolt Heading Machine.*



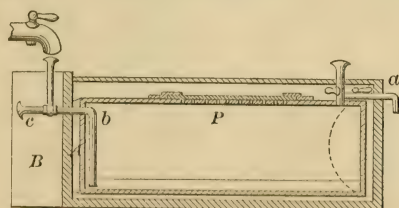
**53832**—C. & J. Kane—*Bolt Machine.*



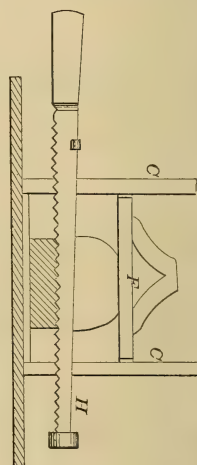
**53833**—L. Katen—*Ruler, Blotter and Paper Cutter.*



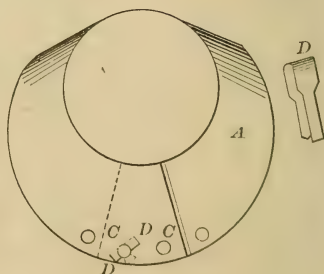
**53829**—J. K. Ingalls—*Oil Tank.*



**53835**—S. Kepner—*Bread and Meat Cutter.*

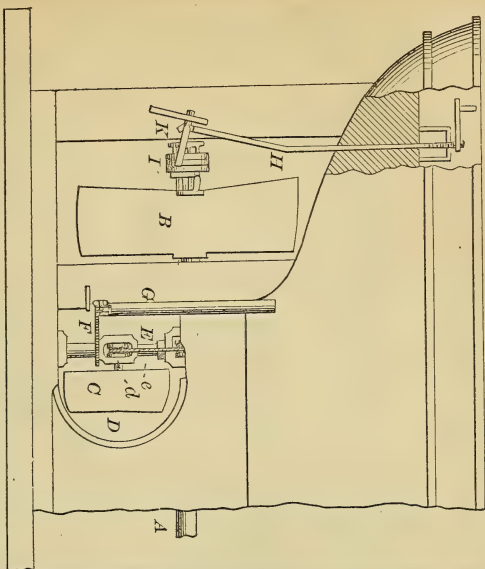


**53836**—D. Knowlton—*Tree Protector.*

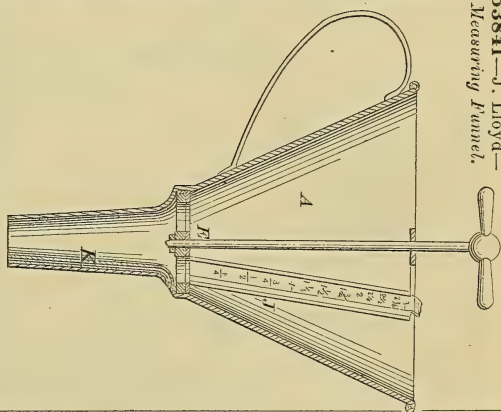




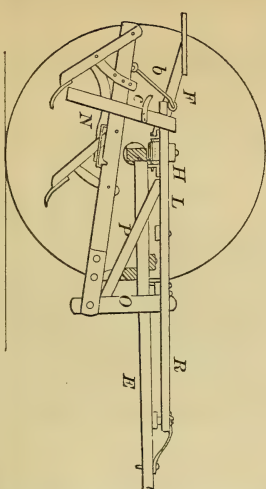
53840—F. Liburn—Steering Screen.



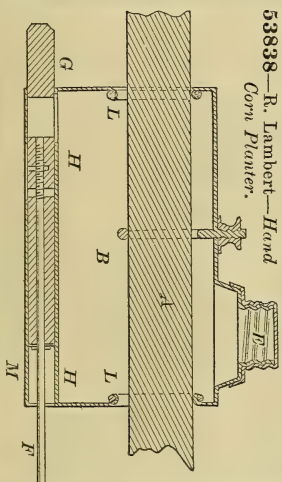
53841—J. Lloyd—Measuring Funnel.



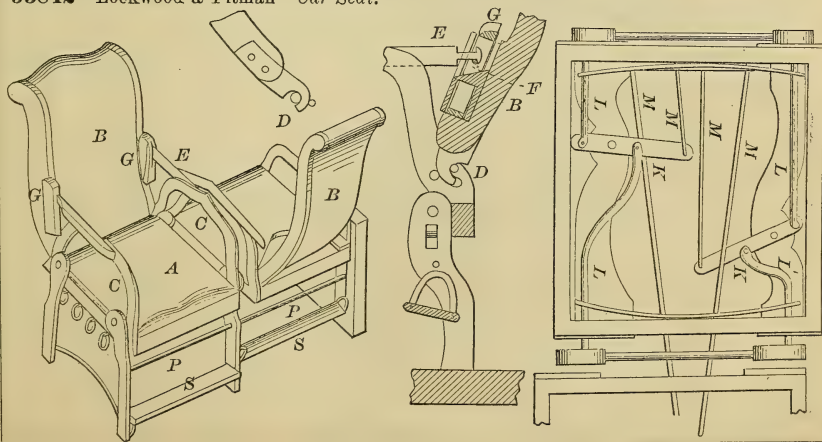
53837—J. Lacey—Cultivator.



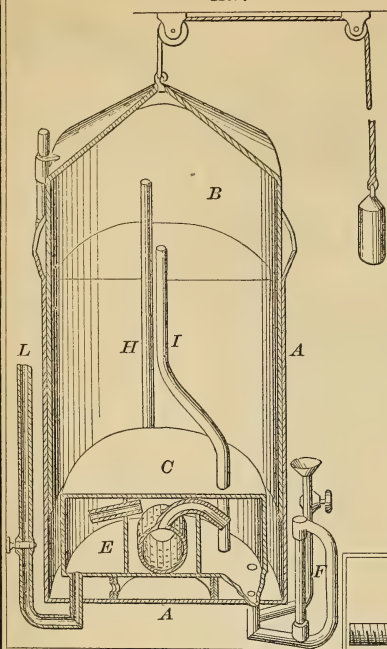
53838—R. Lambert—Hand Corn Planter.



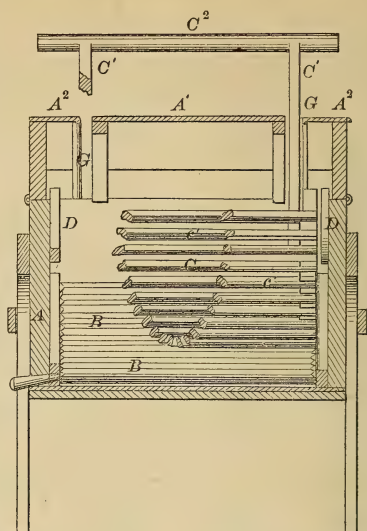
53842—Lockwood & Pitman—Car Seat.



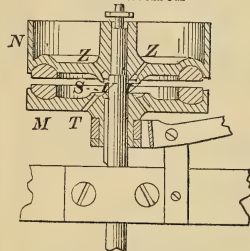
53843—C. B. Loveless—For Carburetting Air.



53844—P. Lutes—Washing Machine.

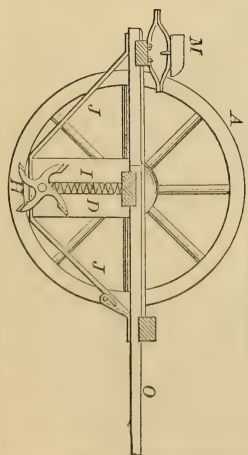


53846—J. Mattison—

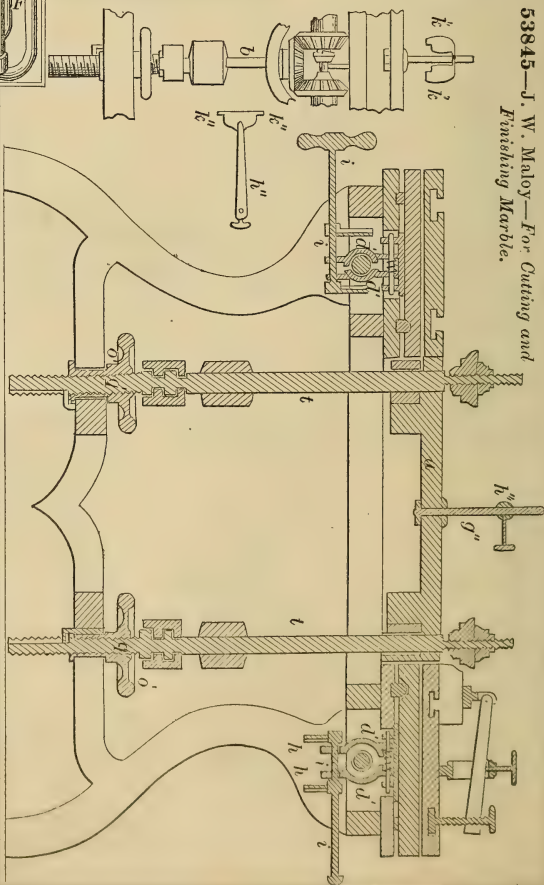


Friction Coupling.

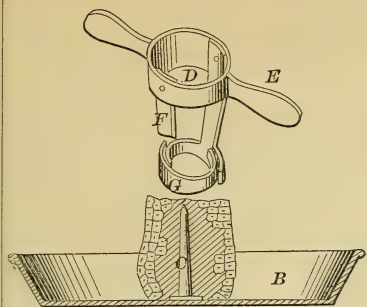
53848—G. D. McClure—Corn Scale Cutter.



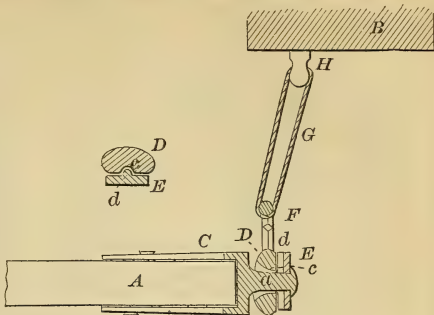
53845—J. W. Maloy—For Cutting and Finishing Marble.



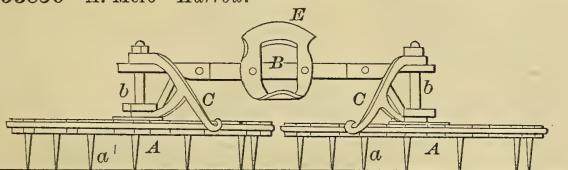
53849—W. C. McGill—*Stripping Corn from the Cob.*



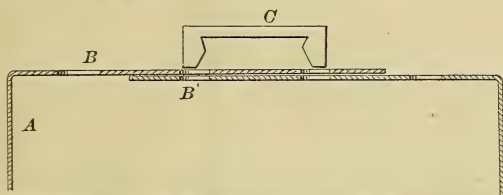
53853—F. Metz—*Bed Bottom Connection.*



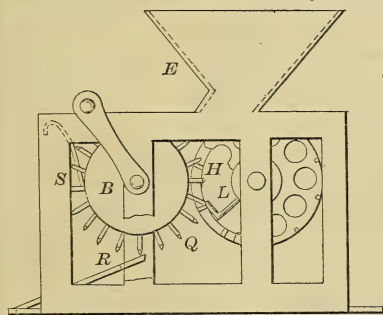
53850—A. Mero—*Harrow.*



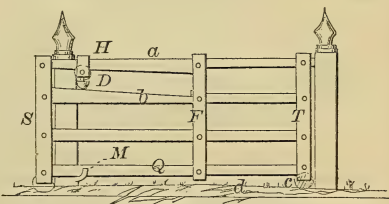
53851—I. H. Merritt—*Cotton Bale Tie.*



53855—S. C. Moore—*For Seeding Raisins.*



53856—J. C. Murphy—*Farm Gate.*



53857—I. Orndorff—*Loom.*

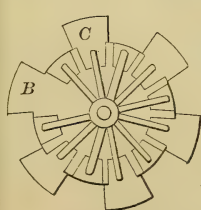


Fig 7

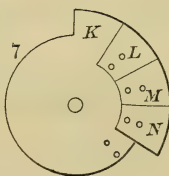
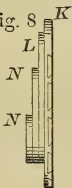
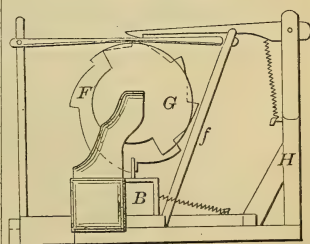


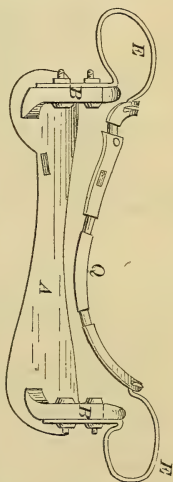
Fig 8



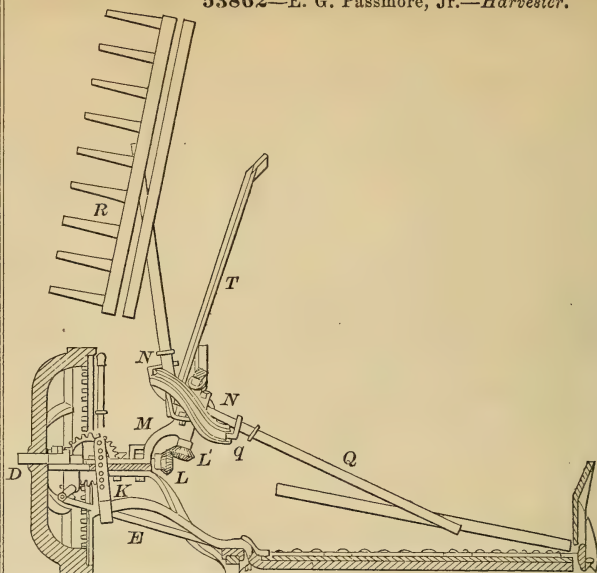
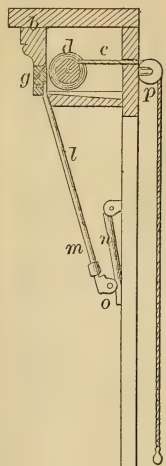
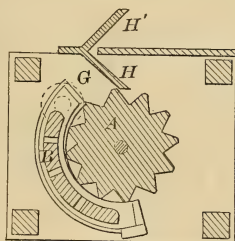
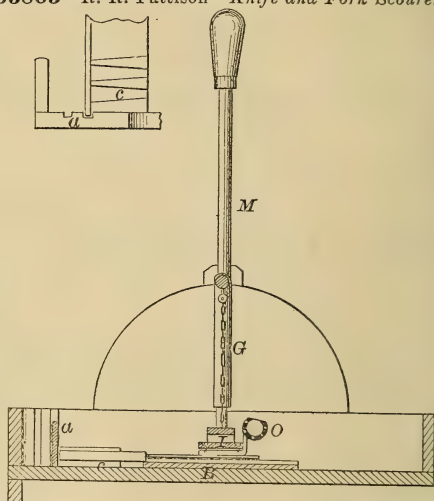
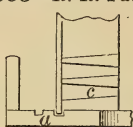
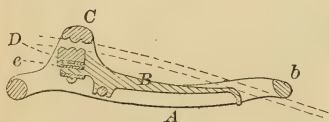
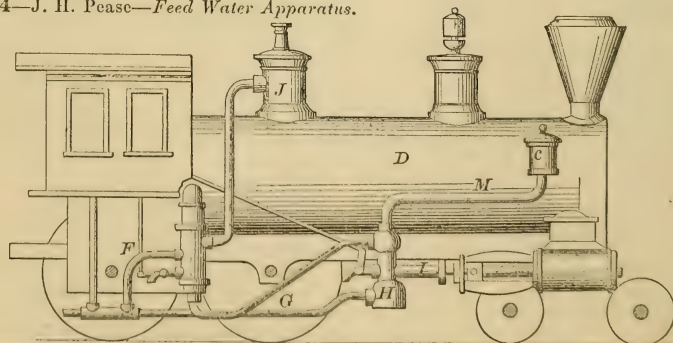
53858—I. Orndorff—*Loom.*



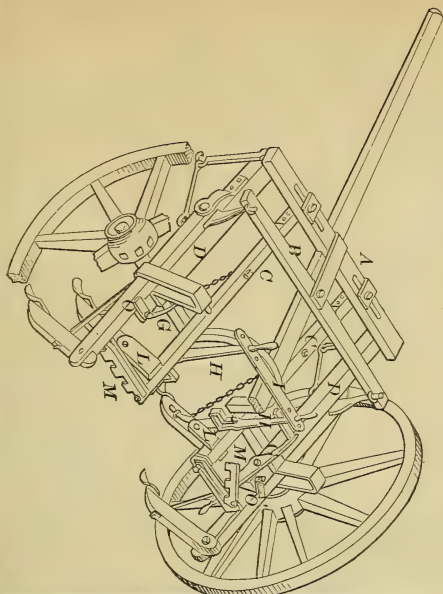
53854—J. C. Miller—*Spring Saddle.*



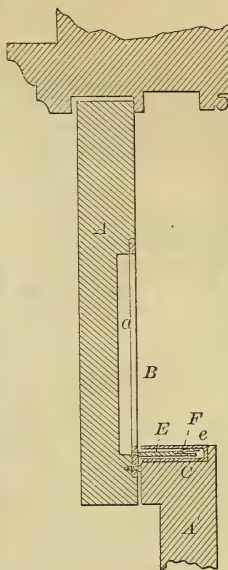


53862—E. G. Passmore, Jr.—*Harvester.*53859—J. A. Pain—*Awning.*53860—N. Palmer—*Threshing Machine.*53863—R. R. Pattison—*Knife and Fork Scourer.*53866—L. W. Perkins—*Buckle.*53864—J. H. Pease—*Feed Water Apparatus.*

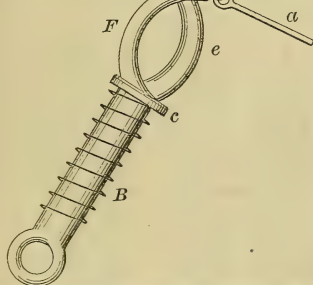
53867—G. Perry—Cultivator.



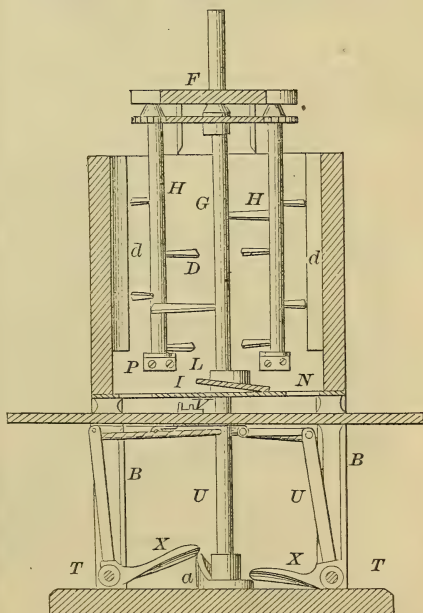
53870—J. C. Rankin—Sash Fastener.



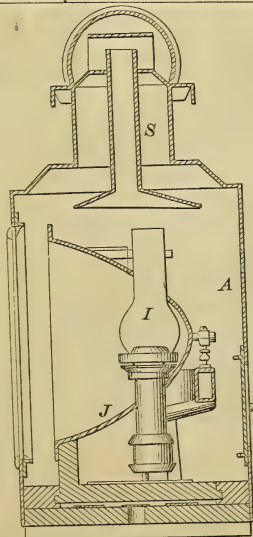
53869—R. Ralston—For Seizing and Holding Small Animals.



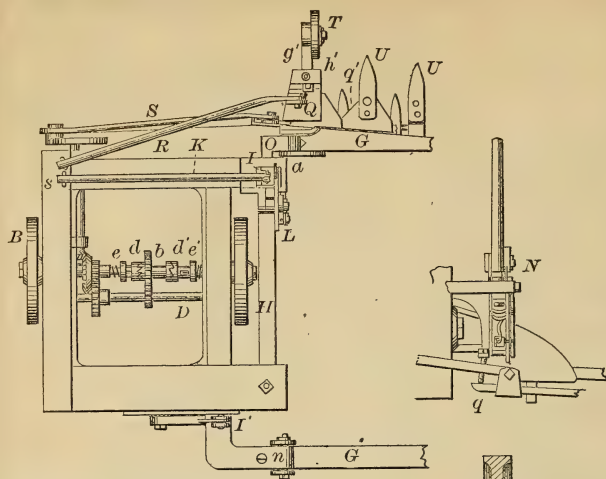
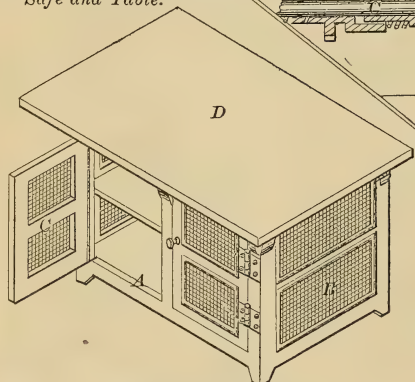
53868—B. Porter—For Grinding Clay.



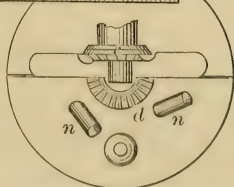
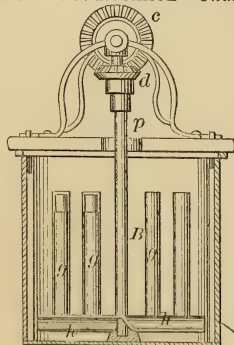
53871—Ray & Cleveland—Locomotive Head Light.



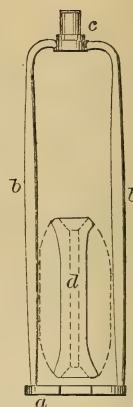
53872—O. Redmond—Harvester.

53877—J. S. Robinson—  
Safe and Table.

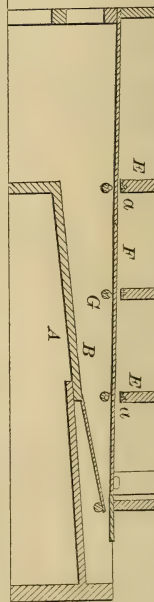
53876—F. J. Robinson—Churn.



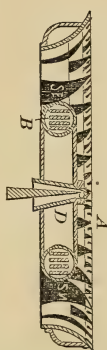
53874—G. Richardson—Flyer for Spinning.



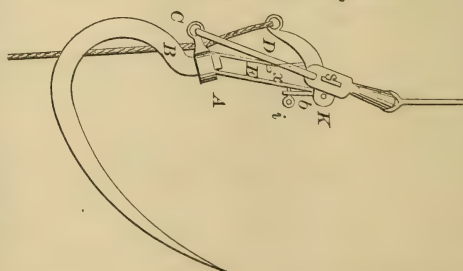
53873—D. Reeves—Evaporator.



53875—E. S. Ritchie—Compass.

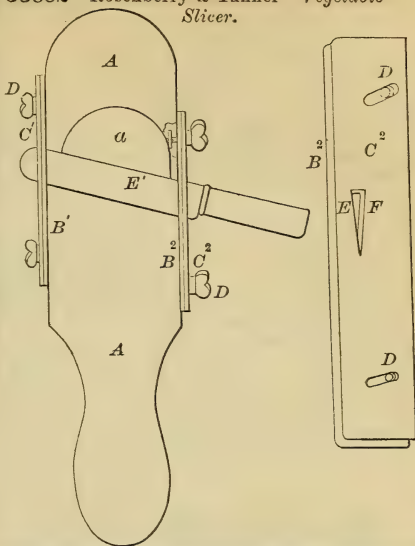


53878—L. M. Roby—Horse Hay Fork.

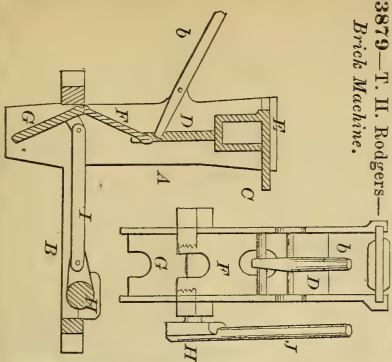




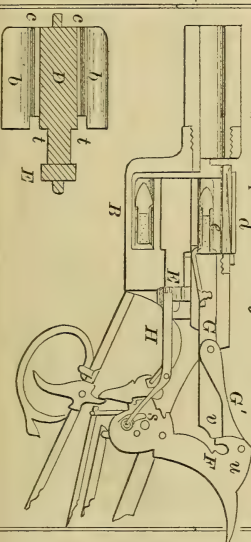
53882—Rosenberry & Tanner—*Vegetable Slicer.*



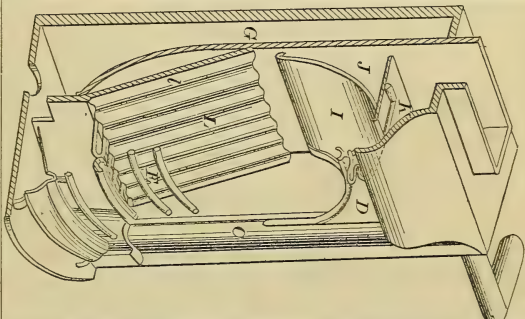
53879—T. H. Rodgers—*Brick Machine.*



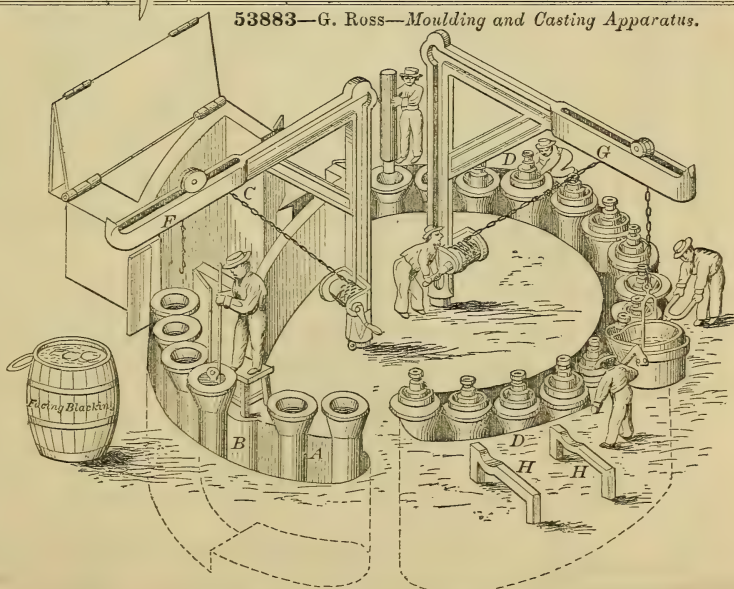
53881—S. H. Roper—*Revolving Pipe Arm.*



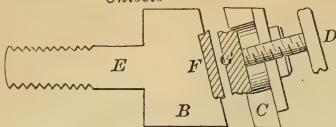
53880—F. M. Rogers—*Fireplace.*



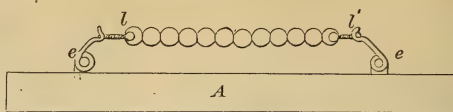
53883—G. Ross—*Moulding and Casting Apparatus.*



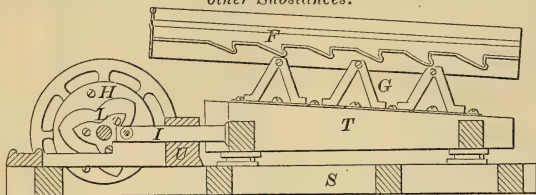
53884—J. Russell—Holder for Chisels



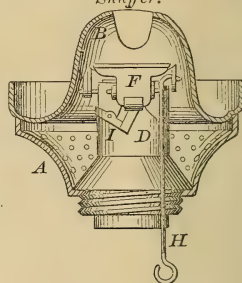
53888—F. Schimming—Bed Bottom.



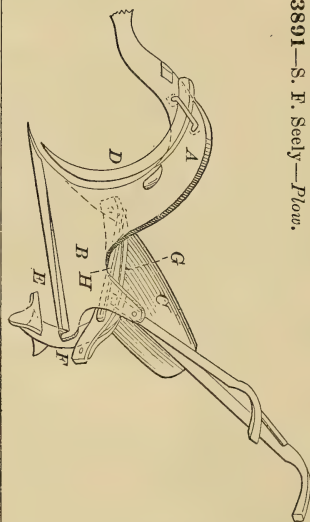
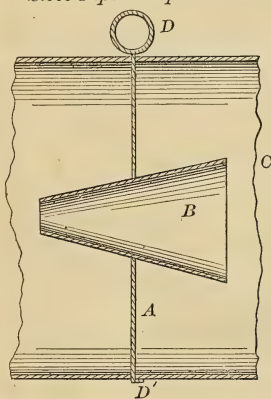
53885—V. B. Ryerson—Separating the Precious Metals from other Substances.



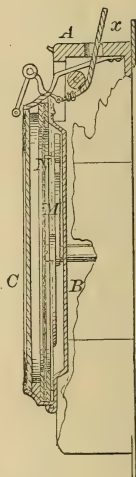
53890—K. Schou—Lamp Snuffer.



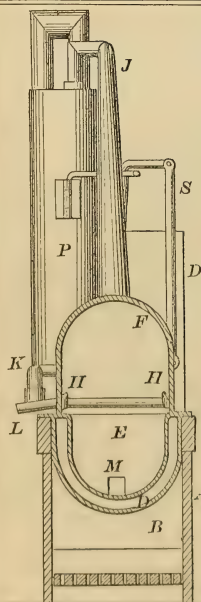
53886—Sanborn &amp; Bennett—Stove Pipe Damper.



53891—S. F. Seely—Plow.

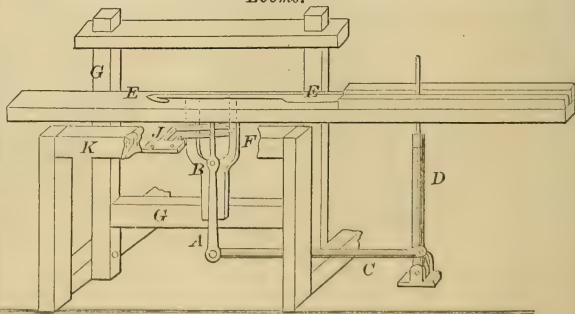


53889—P. L. Schmandt—Watchman's Register.

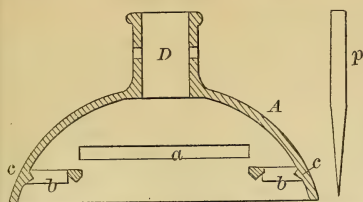


53887—G. W. Sayre—Manufacture of Molasses.

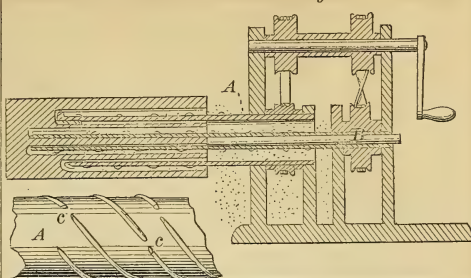
53892—Sherman &amp; Baxter—Operating the Picker Staff for Looms.



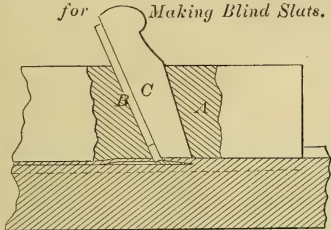
**53893**—S. S. & J. G. Sherman—  
Broom Head.



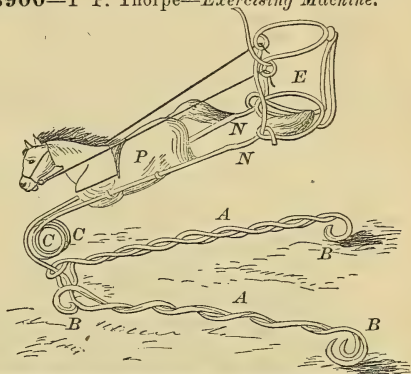
**53896**—R. Stewart—Annular Auger.



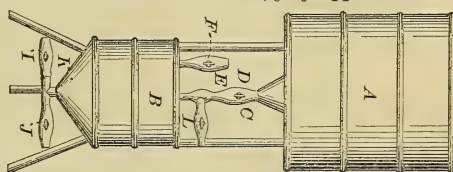
**53899**—Thomas & Anderson—Plane  
for Making Blind Slots.



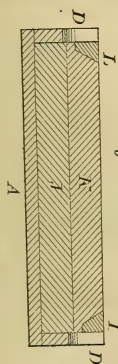
**53900**—T. P. Thorpe—Exercising Machine.



**53895**—T. Simmons—Rectifying Apparatus.



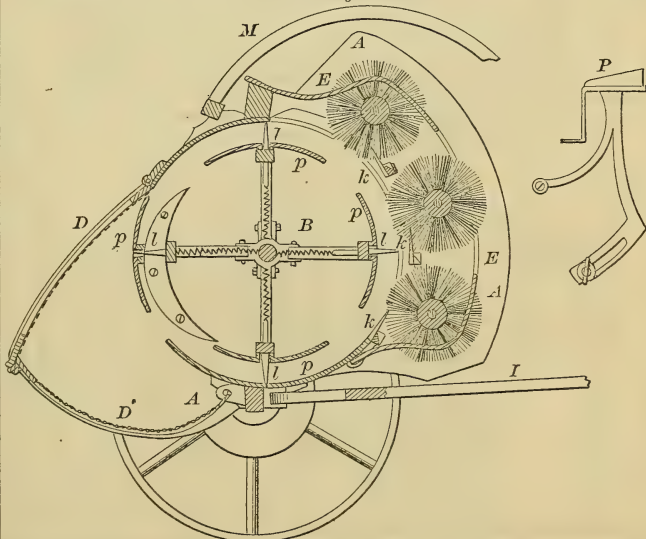
**53894**—Stibley & Shiverick—Door for  
Pudding Furnaces.



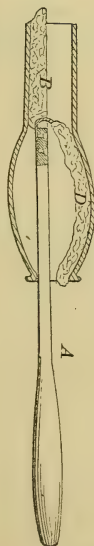
**53897**—D. Stonor—Button Hole for  
Paper Collars.



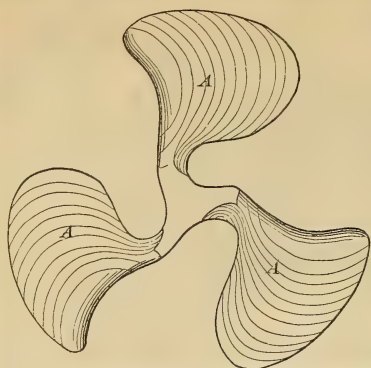
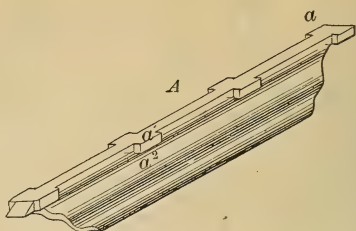
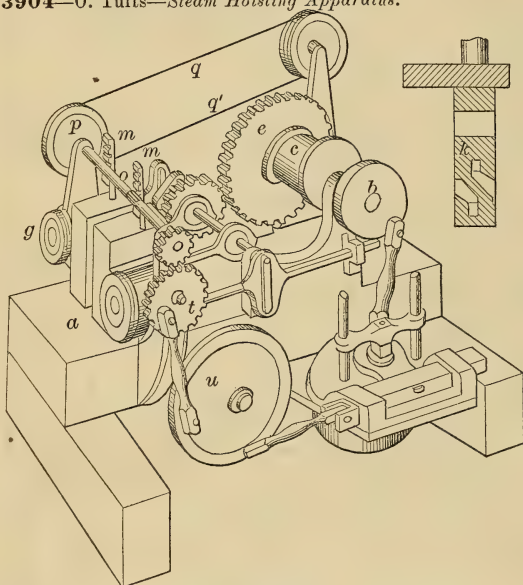
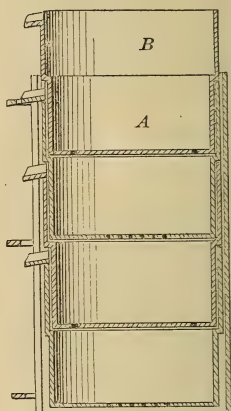
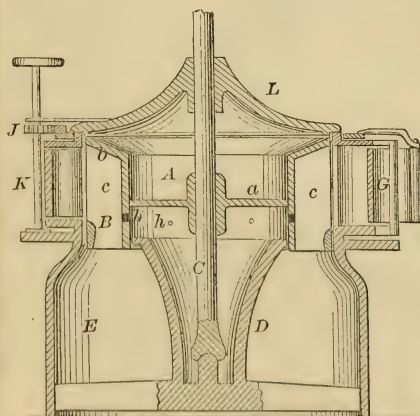
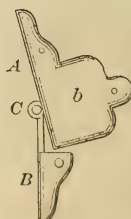
**53901**—A. Tiensch—Cotton Picking Machine.



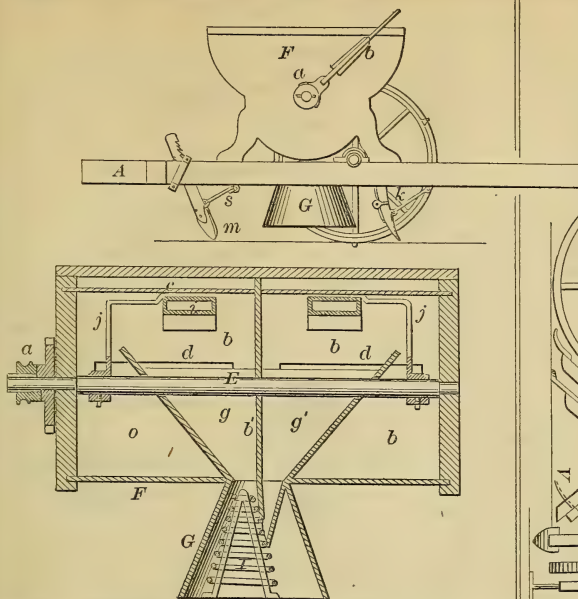
**53898**—E. F. Sutton—Lamp Cleaner.



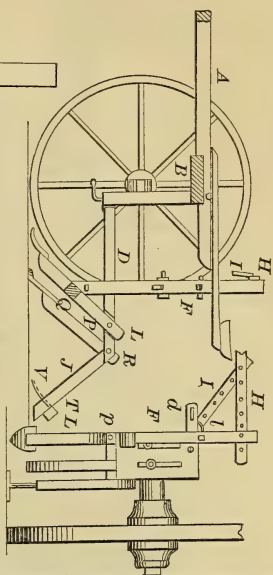


53902—T. Tripp—*Propeller Wheel.*53903—G. O. Tupper—*Furnace Grate Bar.*53904—O. Tufts—*Steam Hoisting Apparatus.*53905—P. H. V. Weyde—*Perculator.*53906—H. V. Dewater—*Water Wheel.*53908—Wakenshaw & Durham—*Trunk Hinge.*53907—L. H. Wait—*Stack Supporter and Fastener.*

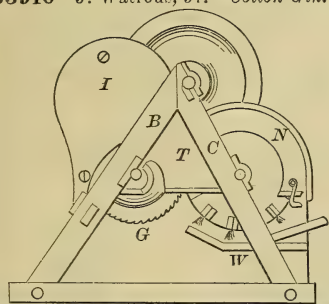
53909—Z. D. Waters—Seeding Machine.



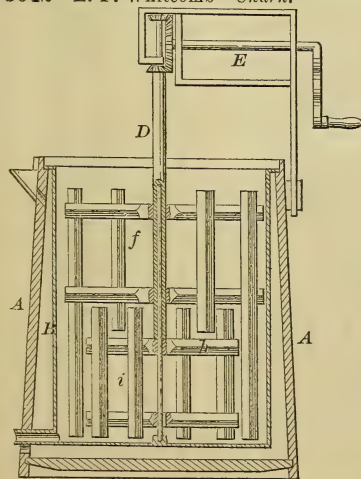
53911—E. P. Wheeler—Cultivator.



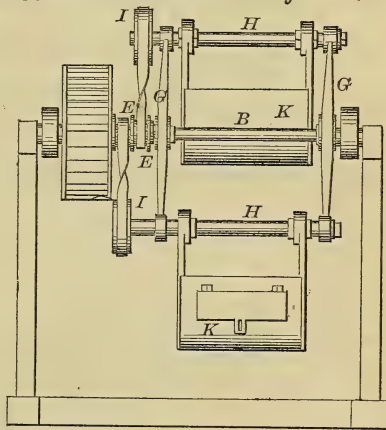
53910—J. Watrous, Jr.—Cotton Gin.



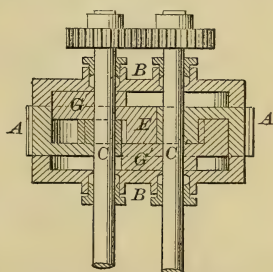
53912—E. P. Whitcomb—Churn.



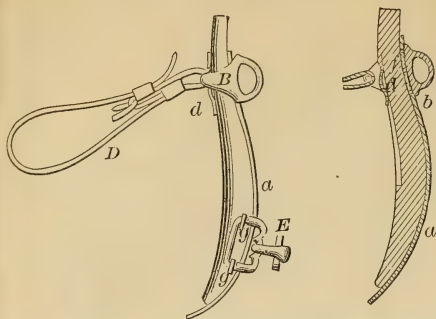
53914—J. Woolf—Transmitting Power.



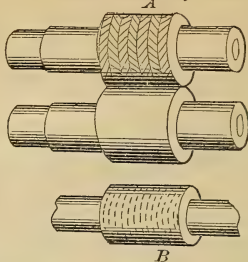
53915—H. I. Behrens—Rotary Engine.



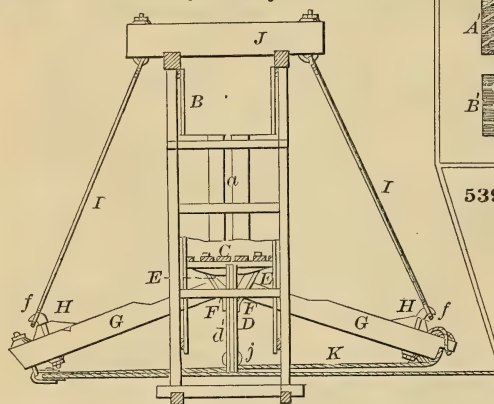
53916—J. E. Brown—Hame for Horse Collars.



53921—Halsey &amp; Fitzgibbons—Hard Rubber Article of Dress.



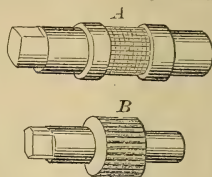
53917—J. B. Gridley—Baling Press.



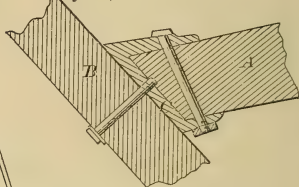
53922—Halsey &amp; Fitzgibbons—Hard Rubber Articles of Dress.



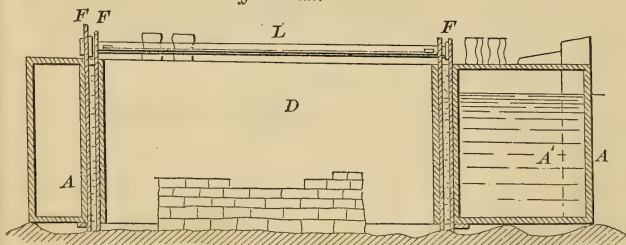
53920 W. H. Halsey—India Rubber Hat Band.



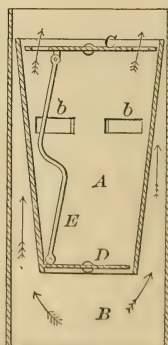
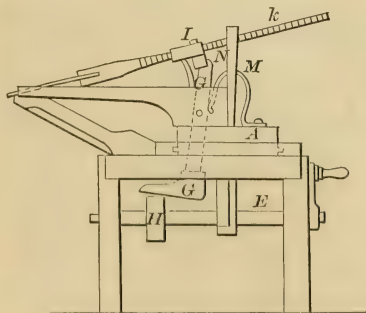
53918—L. Gibbs—Metallic Fastening for Plow Beams.



53919—A. Gilmore—Coffer Dam.

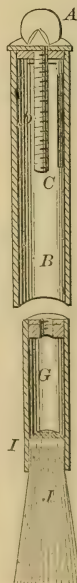


53924—C. D. Hunt—Nail Plate Feeder.



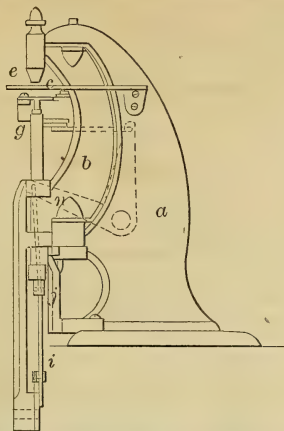
53925—S. Marvin—Sleeve Pipe Damper.

53923—D. K. Herr—Stencil Brush.

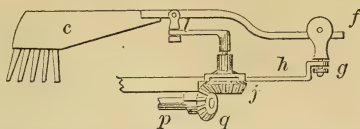




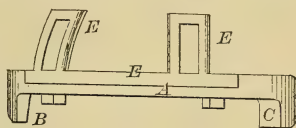
53926—A. A. Reed—*Eyleting Machine*



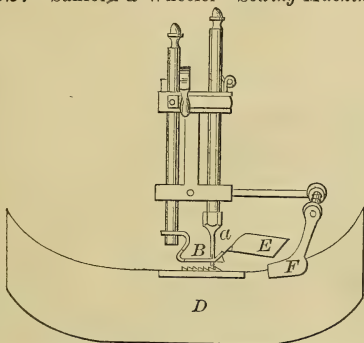
53929—T. Taylor—*Harvester Rake*.



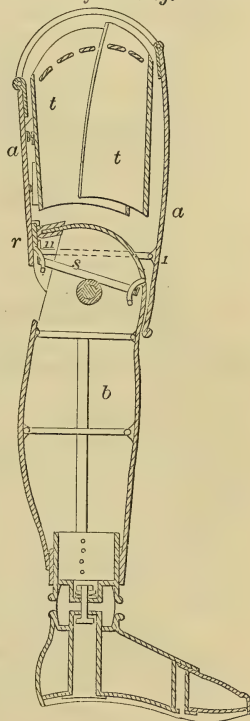
53930—C. M. Werner—*Horse Shoe*.



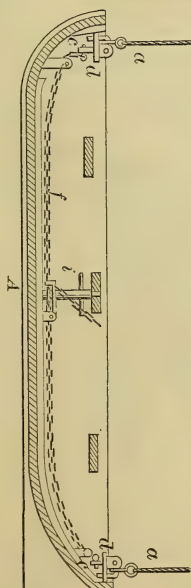
53927—Sanford & Wheeler—*Sewing Machine*



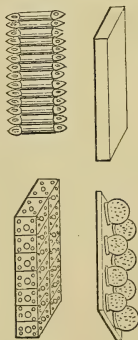
53931—Weston & Buchner—*Artificial Leg*.



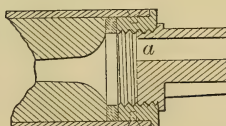
53928—Sheffield & Palmer—*Device for Detaching Boats from Docks*.



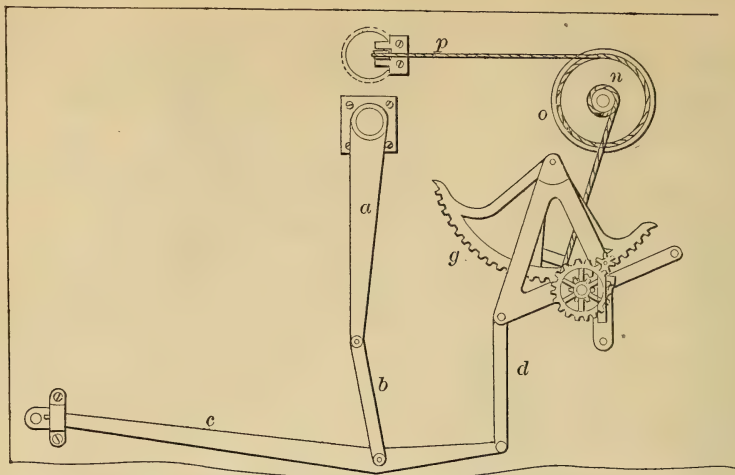
53932—A. Angeline—*Saddle and Harness*.



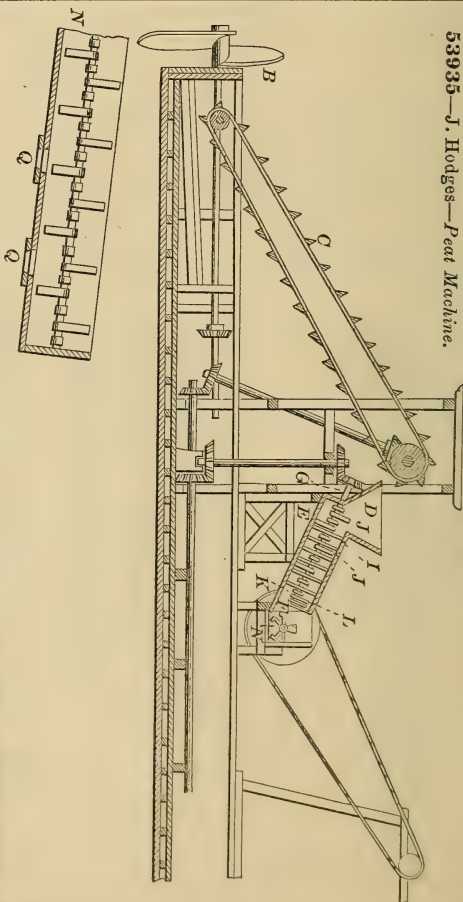
53933—W. Hale—*Rocket*.



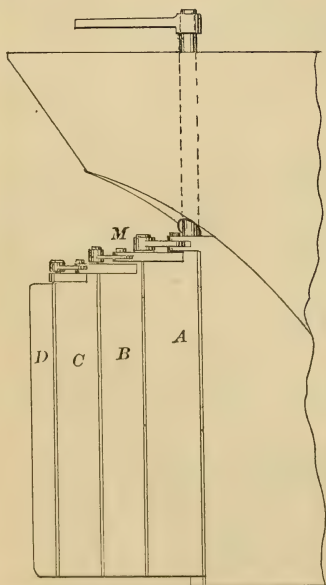
53934—M. W. Ruthven—*Steering Apparatus.*



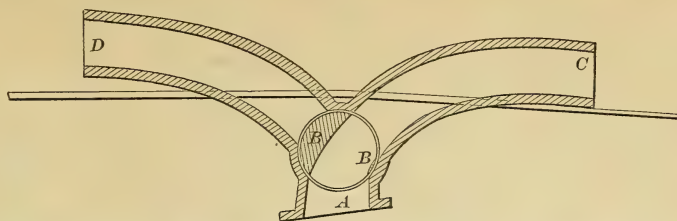
53935—J. Hodges—*Peat Machine.*



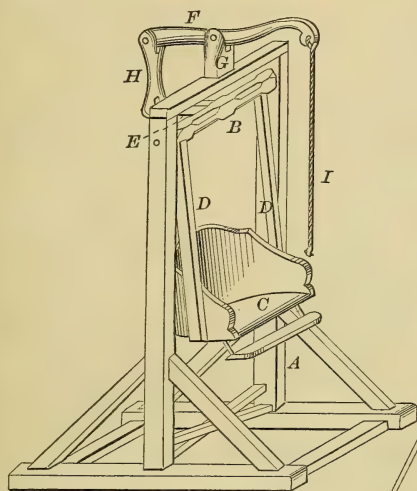
53936—M. W. Ruthven—*Rudder*.



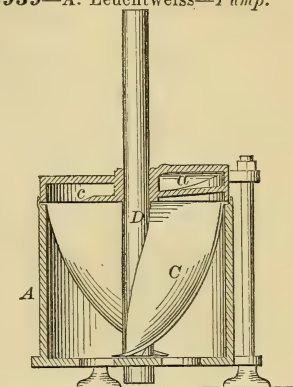
53937—M. W. Ruthven—*Sluice for Propelling Vessels.*



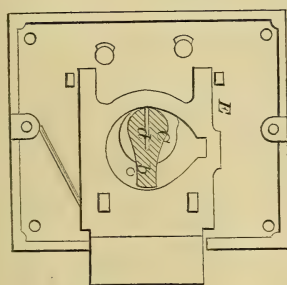
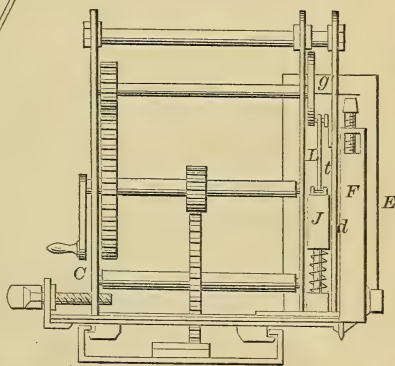
53938—J. F. Hartman—*Swing.*



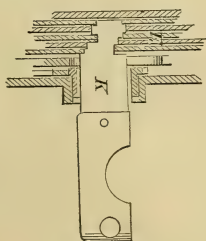
53939—A. Leuchtweiss—*Pump.*



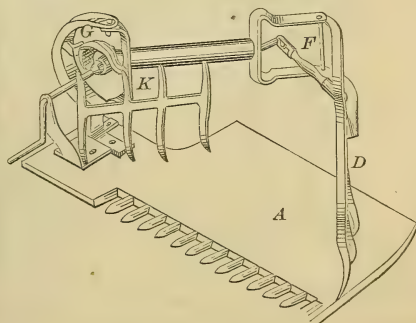
53940—J. Armstrong—*Stone Dressing Machine.*



53941—T. A. Auberlin—*Lock.*

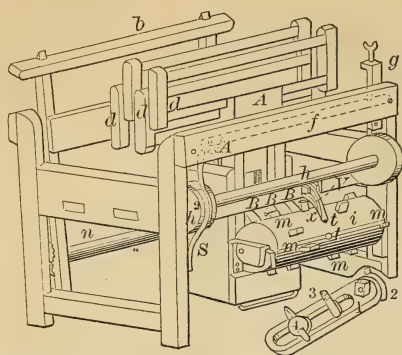


53942—J. Barnes—*Harvester Rake.*

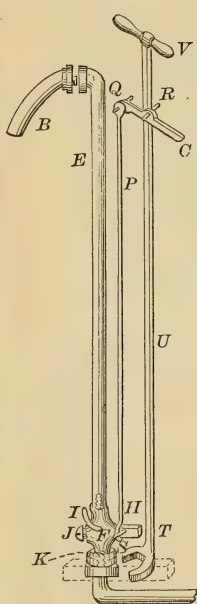
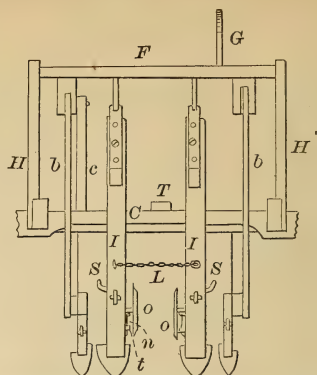




53943—C. F. Bartling—Loom.

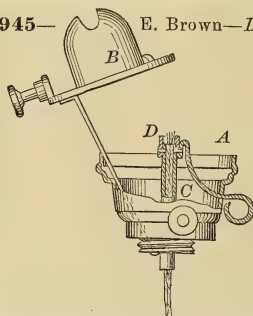


53947—J. Case—Cultivator.

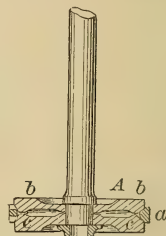


53944—Biggs &amp; Fihn—Hydrant.

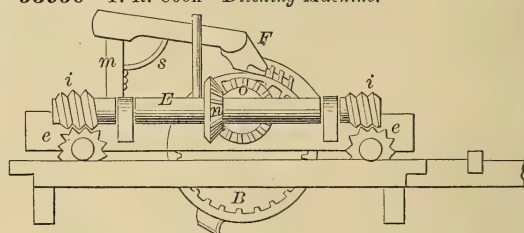
53945—E. Brown—Lamp.



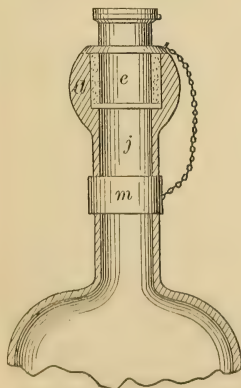
53949—C. H. Clarke—Piston Packing.



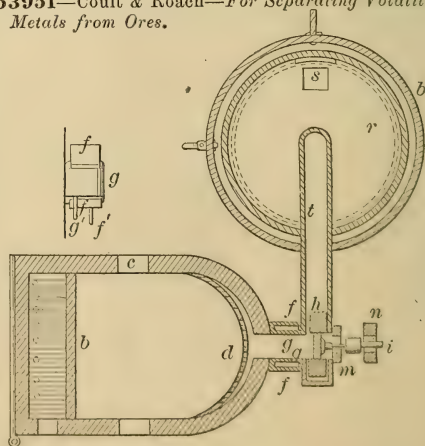
53950—T. R. Cook—Ditching Machine.



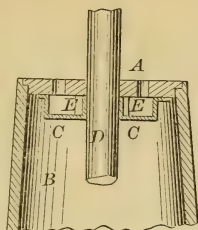
53948—F. Catlin—Bottle Stopper.



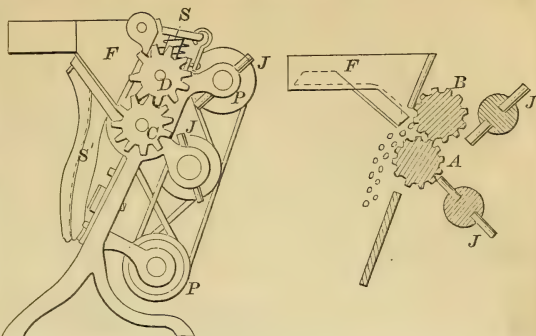
53951—Coult &amp; Roach—For Separating Volatile Metals from Ores.



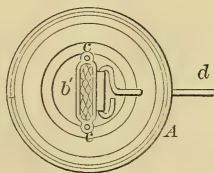
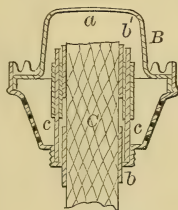
53952—E. Cox—Churn  
Top.



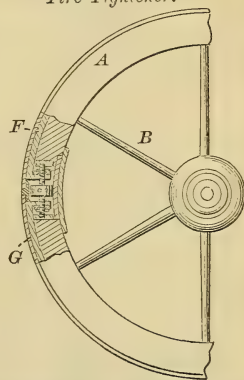
53956—L. Cutting—Pea and Bean Sheller.



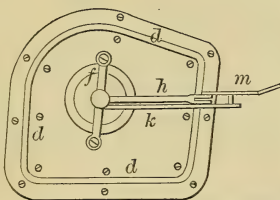
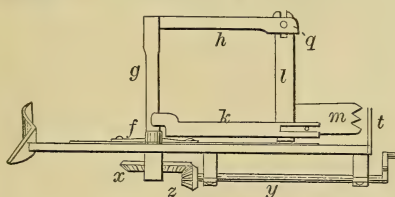
53953—P. Crans, Jr.—  
Lamp Burner.



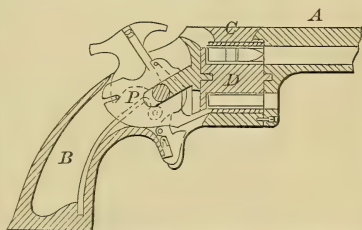
53957—P. Daniels—  
Fire Tightener.



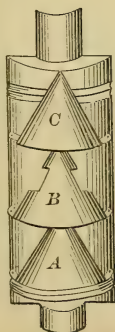
53958—W. P. Dillman—Harvester Rake.



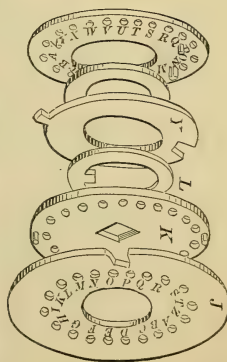
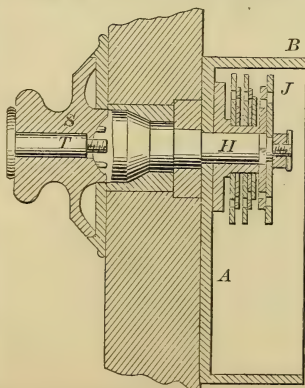
53955—G. G. Crowell—Revolving Fire Arm.

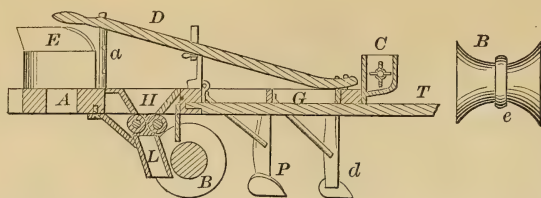
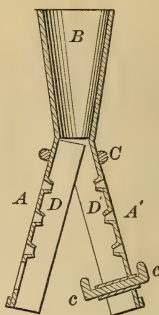
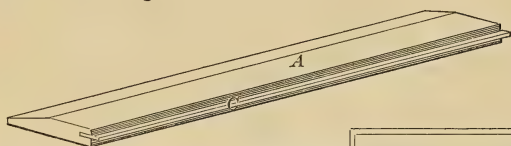
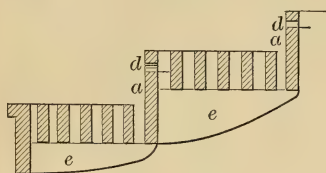
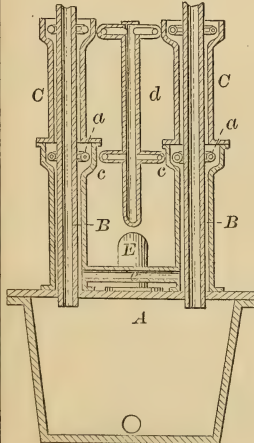
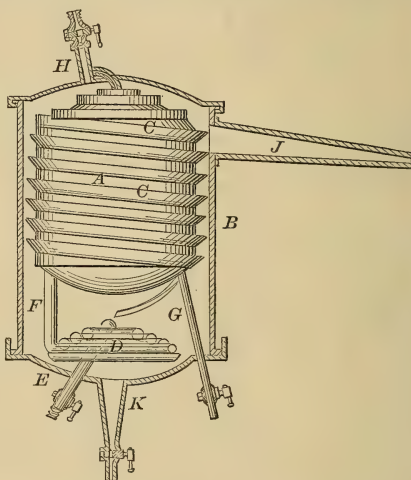
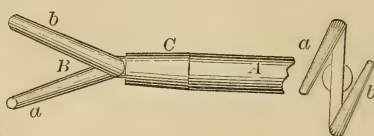
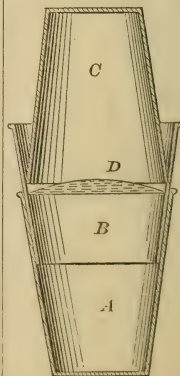
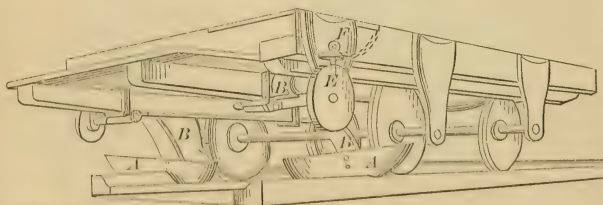


53954—J. Crummins—Store Pipe Drum.



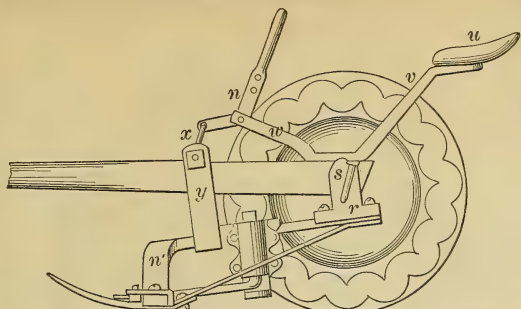
53959—W. B. Dodds—Lock.



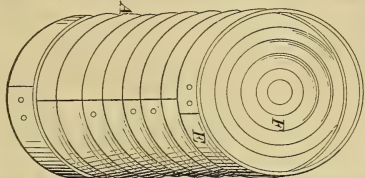
**53960**—A. Dodge—*Combined Cultivator and Seeding Machine.***53962**—J. S. Elkins—*Broom Head.***53961**—R. N. Eagle—*Ruler.***53966**—A. C. Fletcher—*Grate Bar.***53967**—A. C. Fletcher—*Surface Condenser.***53964**—L. V. Fichet—*Distilling Petroleum.***53963**—H. Ferris—*Hedge Plant Grab.***53965**—T. Fislér—*Punch Mixer and Egg Beater.***53968**—B. Folsom—*Snow Scraper for Railroads.*



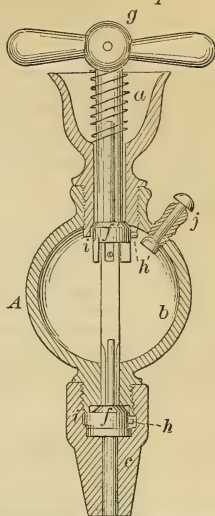
**53969**—Fox & Ridgaway—*Harvester.*



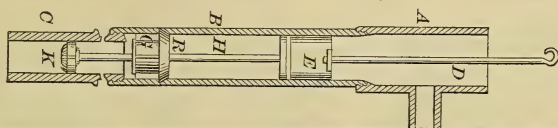
**53970**—Frey, Allen & Smith—*Barrel and other Vessels.*



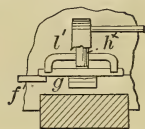
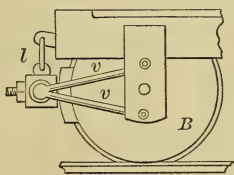
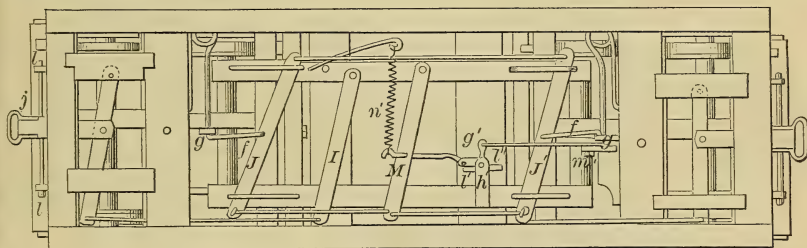
**53973**—G. Hagenmeyer—*Grease Cup.*



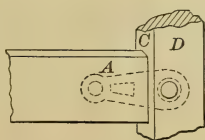
**53974**—J. Harrison—*Deep Well Pump.*



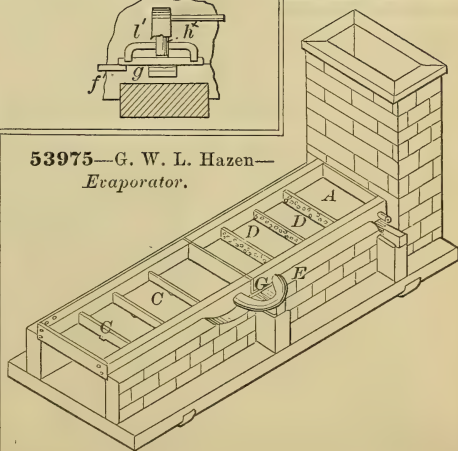
**53971**—J. W. Gibbs—*Car Brake.*



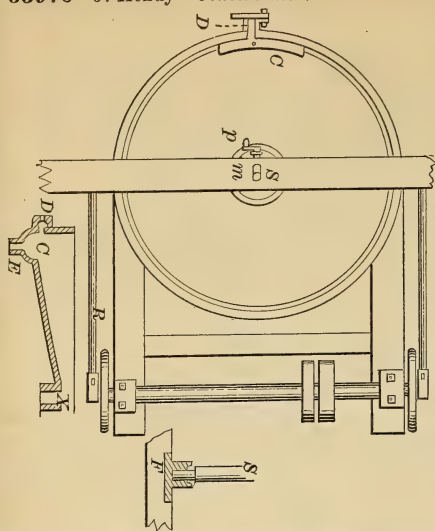
**53972**—C. M. Gilbert—*Bedstead Fastening.*



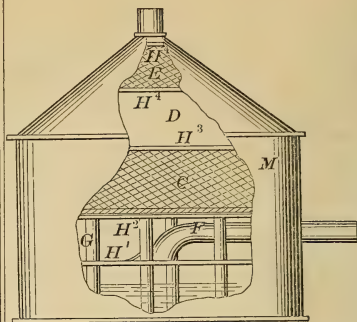
**53975**—G. W. L. Hazen—*Evaporator.*



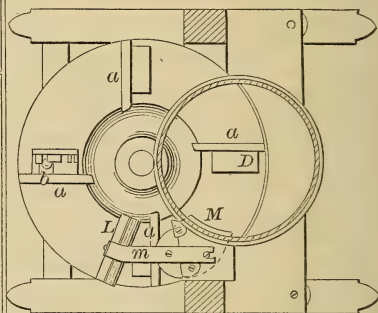
53976—J. Hendy—Concentrator.



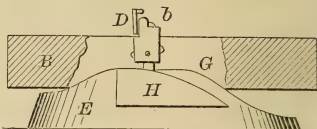
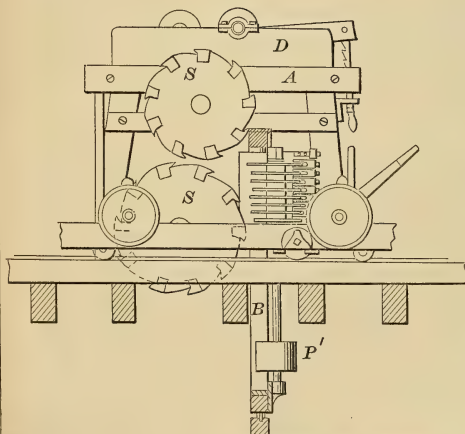
53979—P. Hogan—For Carburetting Air.



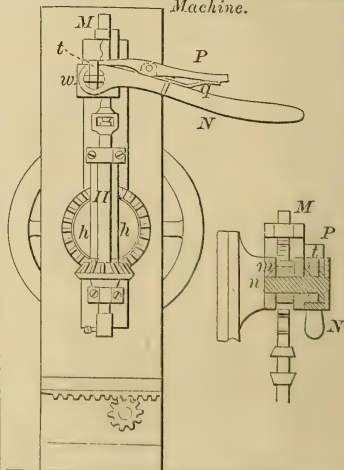
53980—Hotchkiss &amp; Buss—Brick Machine.



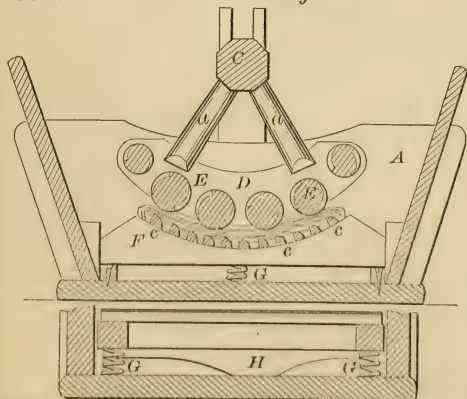
53977—J. Hendy—Saw Mill.



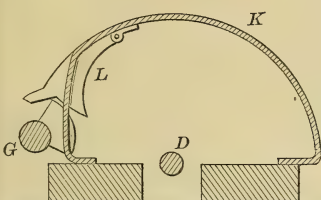
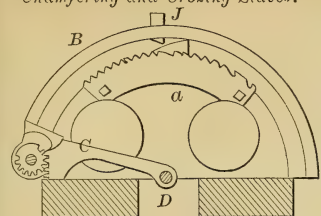
53981—T. M. Howard—Drilling Machine.



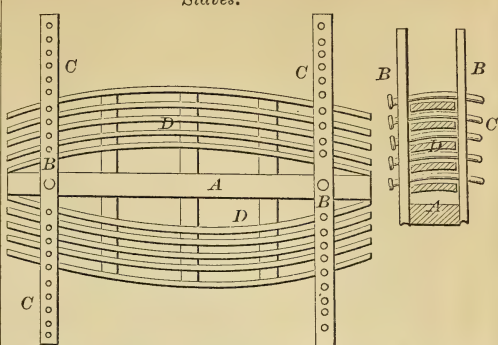
53978—A. Hildebrand—Washing Machine.



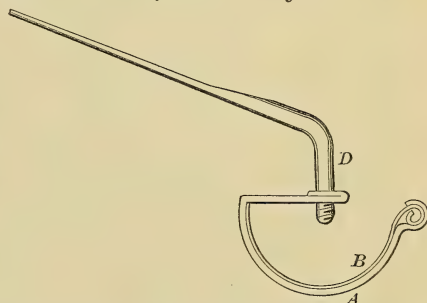
**53982**—C. B. Hutchinson—*For Chamfering and Crozing Staves.*



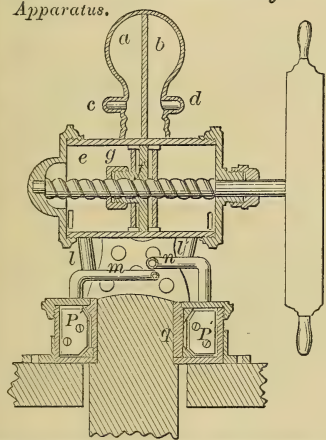
**53983**—C. B. Hutchinson—*Machine for Bending Staves.*



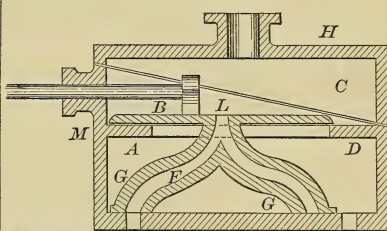
**53984**—J. Jacoby—*Eaves Trough.*



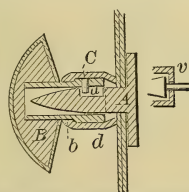
**53988**—W. O. Jones—*Steering Apparatus.*



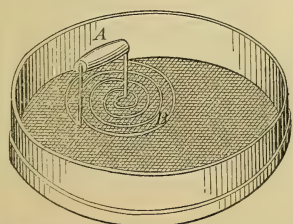
**53985**—Jenkins & Landis—*Slide Valve for Steam Engines.*



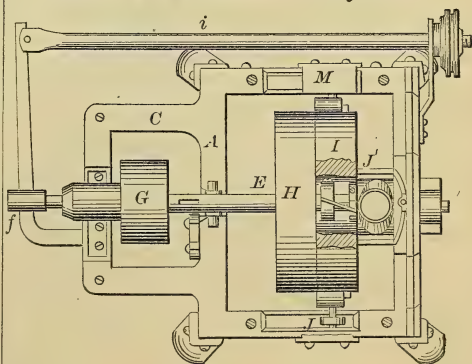
**53986**—J. M. Johnson—*Button.*



**53987**—S. D. Jones—*Flour Sifter.*



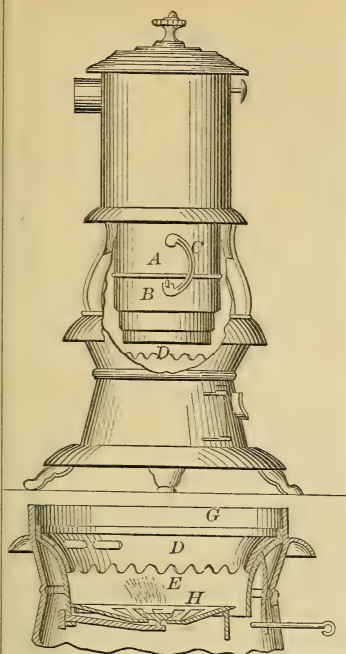
**53989**—C. & A. Kaestner—*Grinding Mill.*



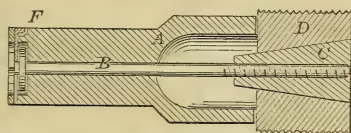




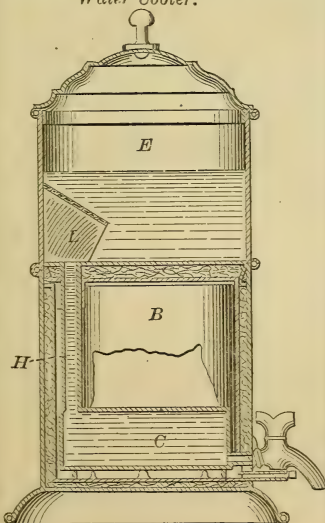
**53995**—D. G. Littlefield—  
*Base Burning Stove.*



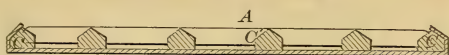
**53996**—B. T. Loomis—*Expanding Tap and Reamer.*



53998—T. T. Markland, Jr.—  
*Water Cooler.*



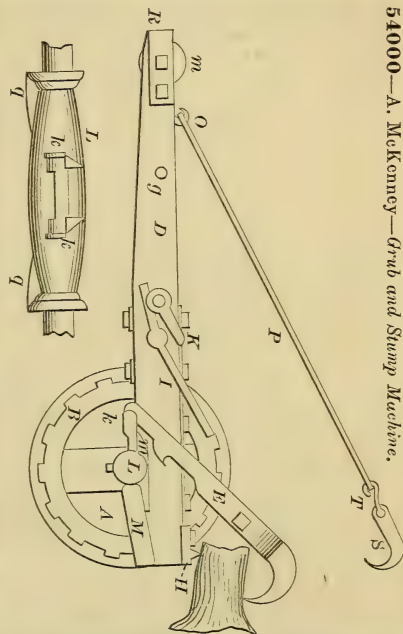
53997—G. T. Lozier—*Foot Scraper.*



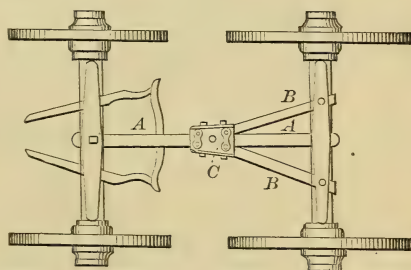
53999—McBurney & Forsyth—*India Rubber Tube, &c.*



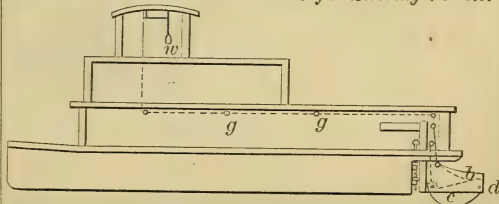
**54000—A. McKenney—Grub and Stump Machine.**

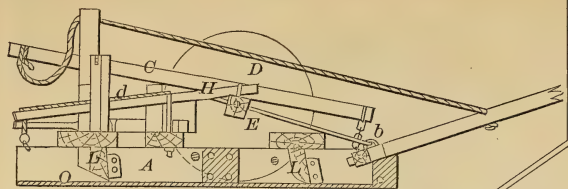
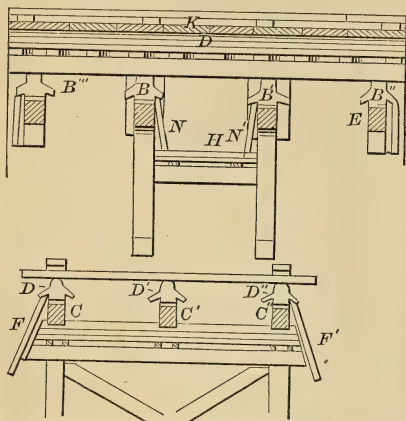
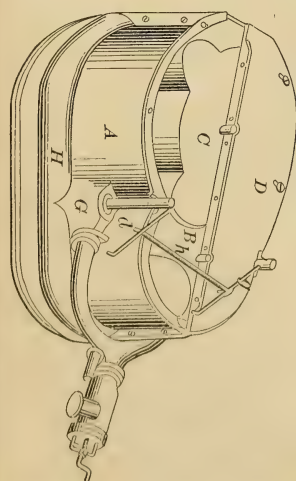
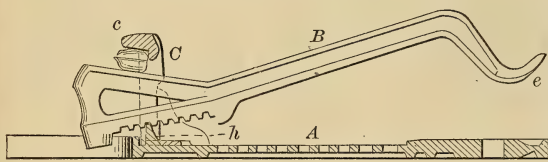
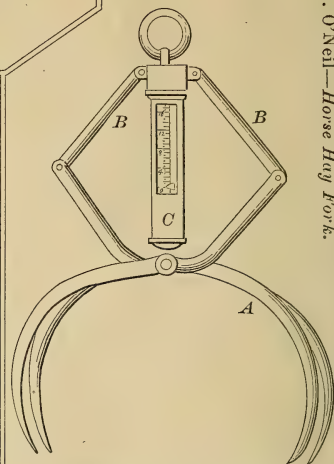
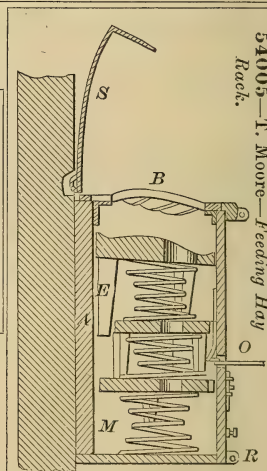
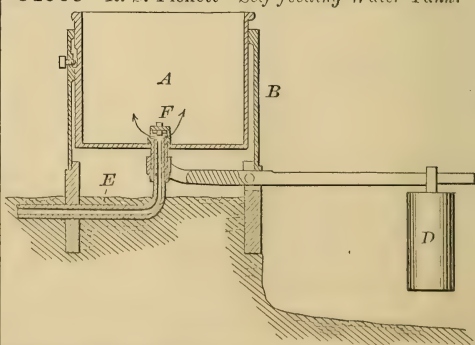


54001—O. E. Miles—*Wagon*.



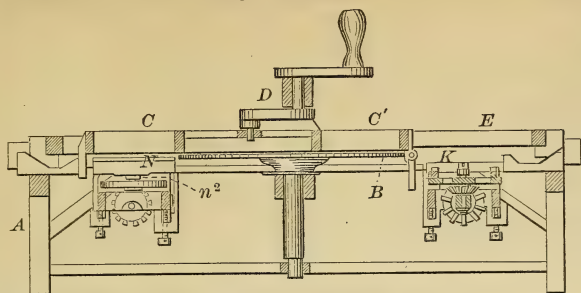
54002—W. J. Millar—*Rudder for Steering Vessels.*



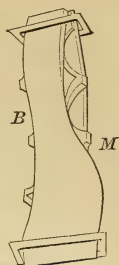
54003—F. Monroe—*Land Leveler.*54004—F. Monroe—*Bridge.*54008—Osborn & Crandell—*Boot Jack, Nut Cracker, Tack Hammer and Tack Puller.*54006—W. J. Norton—*Rotary Engine.*54007—J. K. O'Neil—*Horse Hay Fork.*54005—T. Moore—*Feeding Hay Rack.*54009—R. S. Pickett—*Self-feeding Water Tank.*



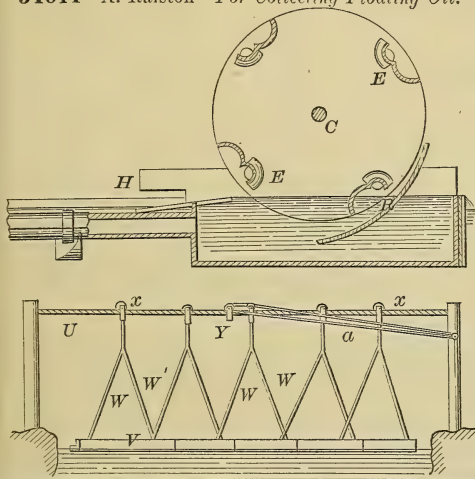
54010—C. L. Pierce—*Shingle Machine.*



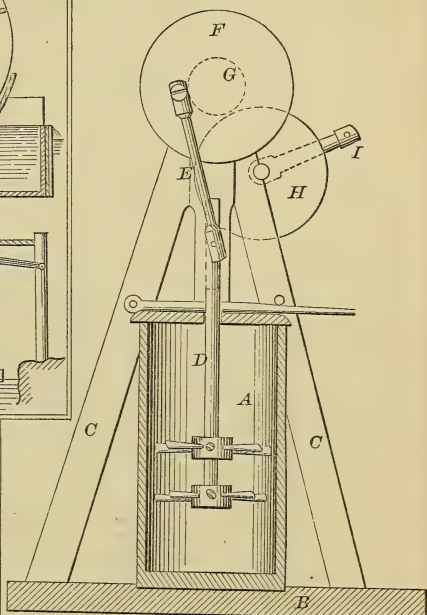
54012—C. Prudden—*Wood Bending Machine.*



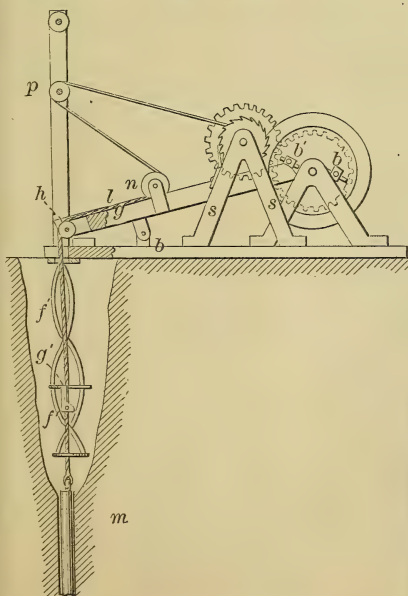
54014—A. Ralston—*For Collecting Floating Oil.*



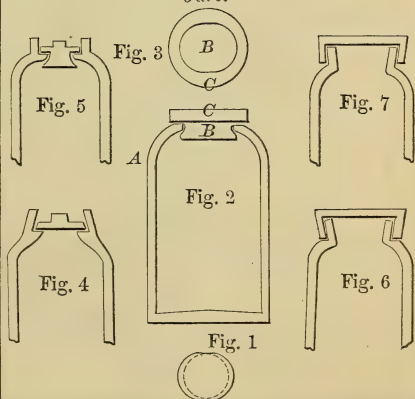
54013—J. F. Quimby—*Churn.*

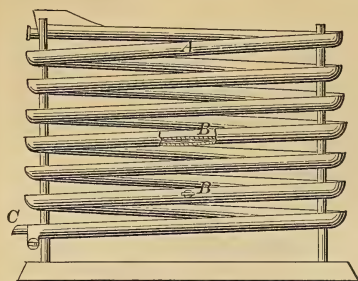
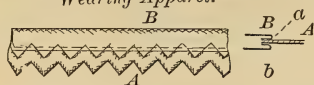
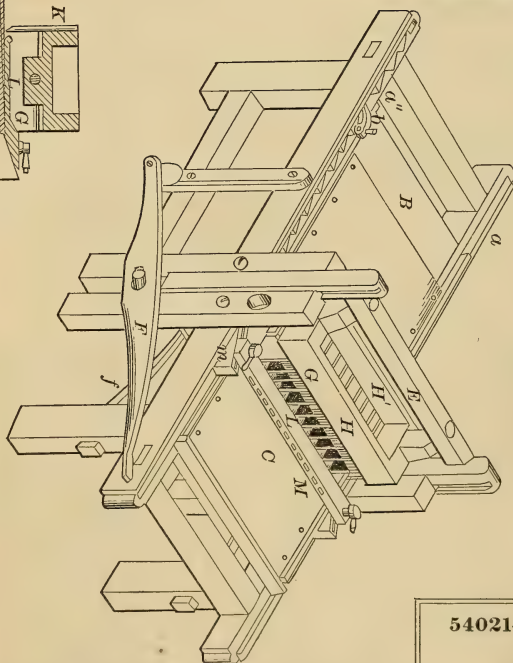
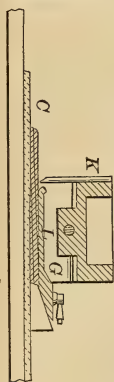
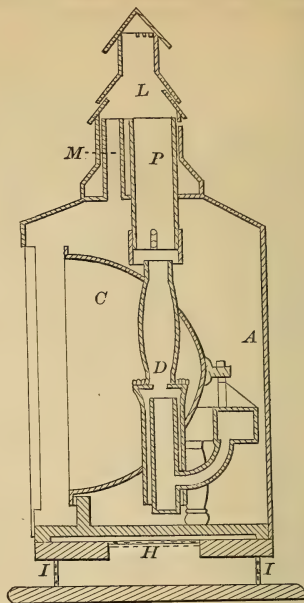
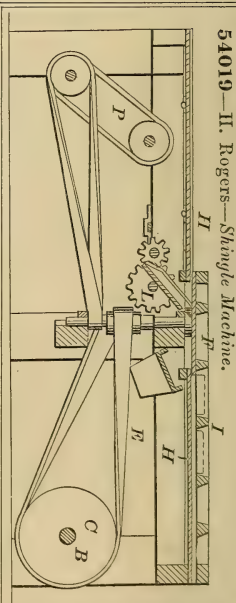
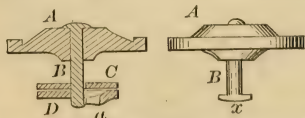
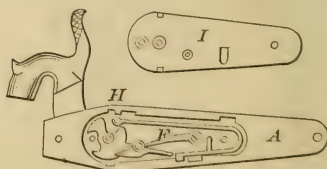


54011—G. R. Platt—*Oil Well Drill.*

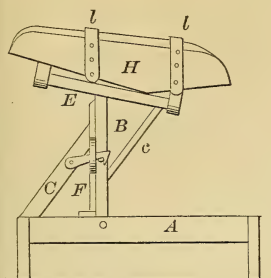


54015—G. M. Ramsy—*Constructing Fruit Jars.*



54016—Reutlinger & Herbert—*Liquid Cooler.*54018—A. A. Rockwell—*Trimming for Wearing Apparel.*54020—M. M. Rounds—*Head Light.*54017—J. I. Robbins—*Tobacco Cutting Machine.*54019—H. Rogers—*Shingle Machine.*54022—J. B. Rumsey—*Button Fastening.*54021—Rudolph & Braun—*Gun Lock.*

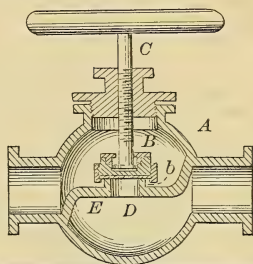
**54023**—S. L. Sage—*Sheep Holder and Shearing Table.*



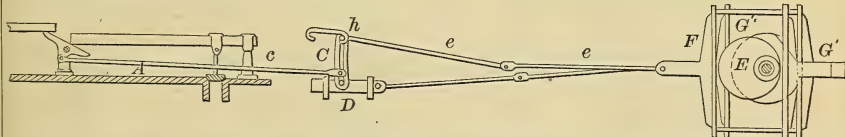
**54024**—Scharit & Oppenheimer—*Trunk Lock.*



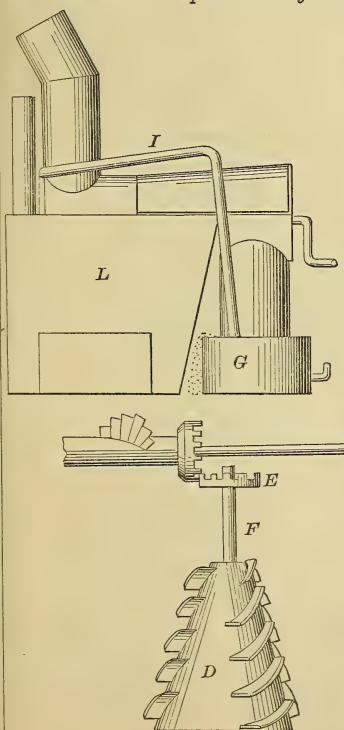
**54025**—T. A. Searle—*Globe Valve.*



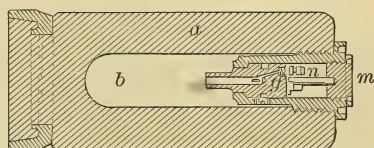
**54026**—Seely & Cabbell—*Valve Gear.*



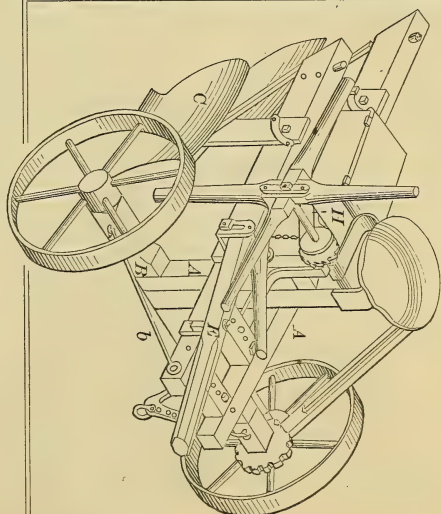
**54028**—G. B. Simpson—*Amalgamator.*



**54027**—J. F. Sherman—*Percussion Fuse for Explosive Shells.*



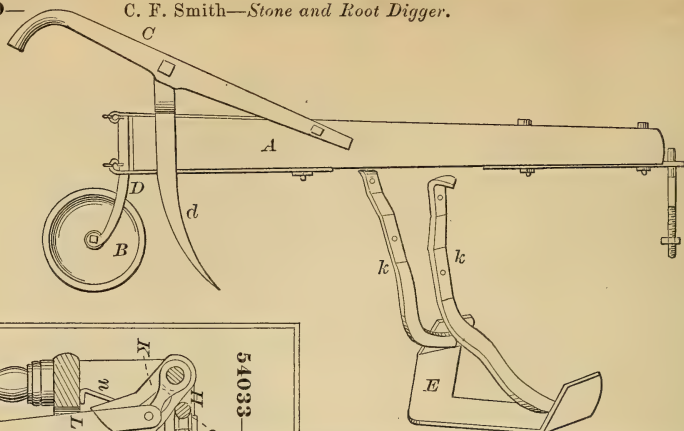
**54029**—J. B. Skinner—*Gang Plow.*



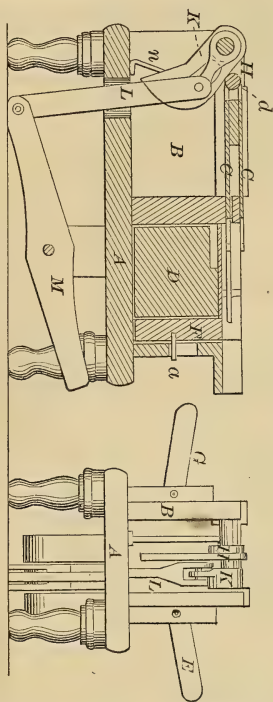


54030—

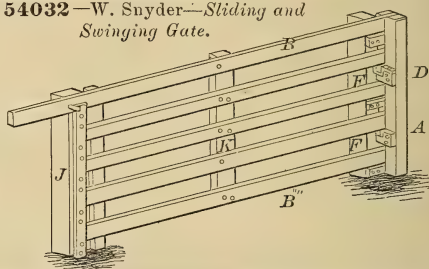
C. F. Smith—Stone and Root Digger.



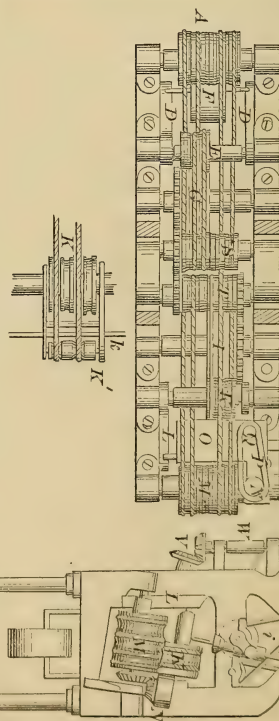
54033—N. H. Spaford—For Bundling Bristles.



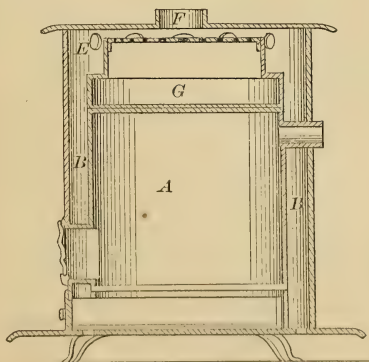
54032—W. Snyder—Sliding and Swinging Gate.



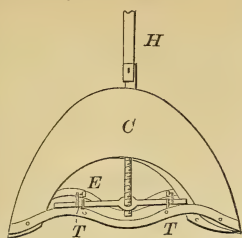
54034—N. H. Spaford—For Combining Bristles.



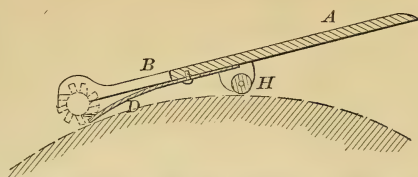
54031—S. Smith—Heating Stove.



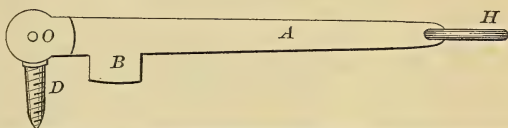
**54035**—G. T. Spaulding—*Broom Head.*



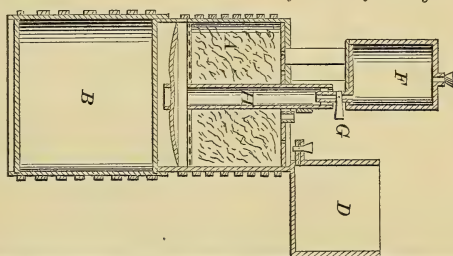
**54036**—N. F. Stone—*Cutter Grinder.*



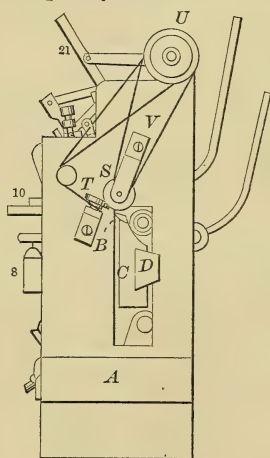
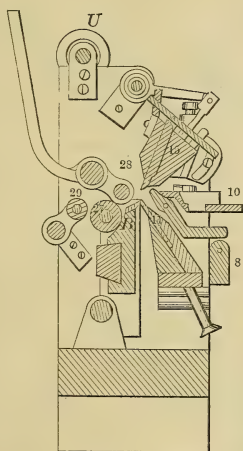
**54039**—S. Swartz—*Removing Stoppers from Oyster Kegs.*



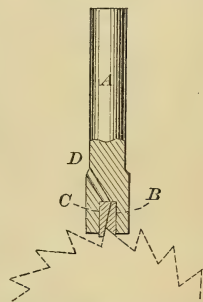
**54041**—Tiffany & Wilson—*Manufacture of Vinegar.*



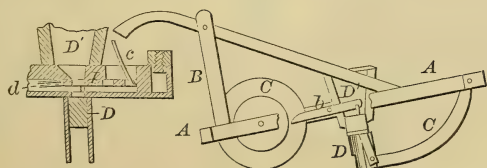
**54043**—A. H. Van Gieson—*Leather Splitting Machine.*



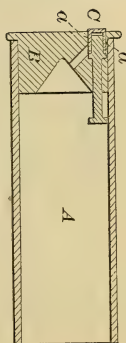
**54037**—N. F. Stone—*For Upsetting Saw Teeth.*



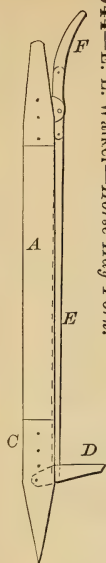
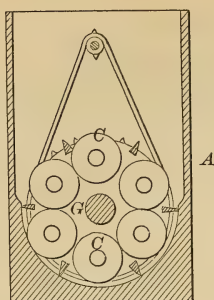
**54042**—A. Upson—*Corn Planter.*



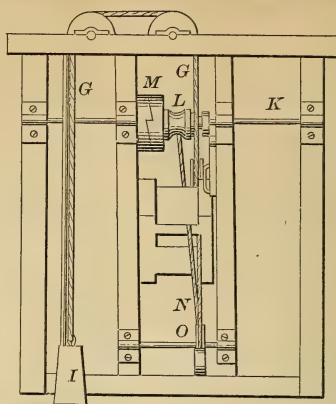
**54038**—T. L. Starterant—*Printing Metallic Cartridges*



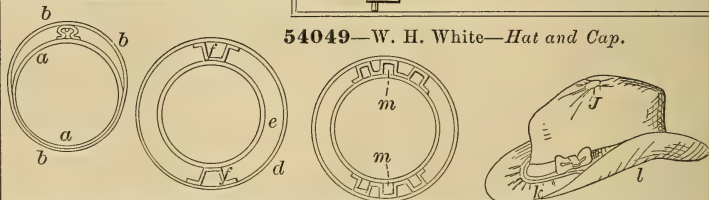
54044—E. L. Walker—Horse Hay Fork.

54045—O. G. Warren—  
Quartz Comminutor.

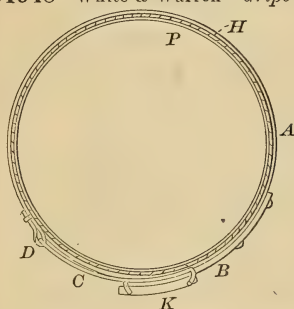
54046—W. J. Wells—Sawing Machine.



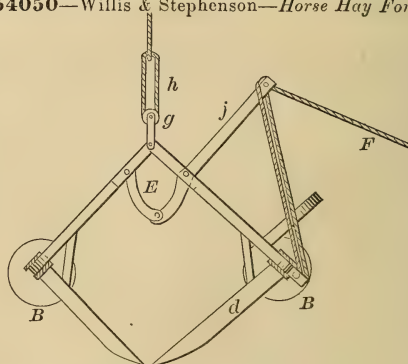
54049—W. H. White—Hat and Cap.



54048—White &amp; Warren—Gripe Band.



54050—Willis &amp; Stephenson—Horse Hay Fork.



54047—J. B. West—Wood Turning Lathe.

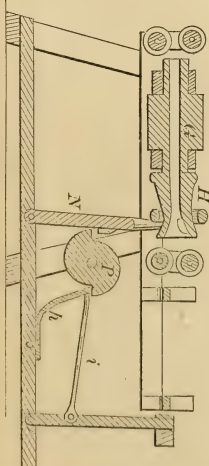


Fig. 1

1' and 2

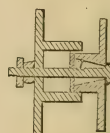
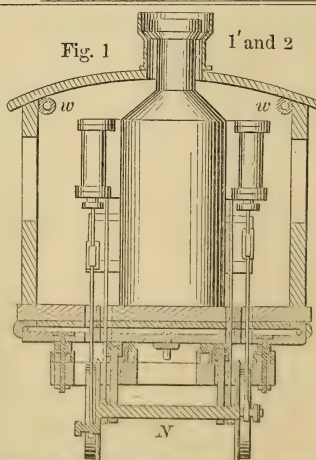


Fig. 6'

54051—J. P. Woodbury—Locomotive Car Truck.



54051—Continued.

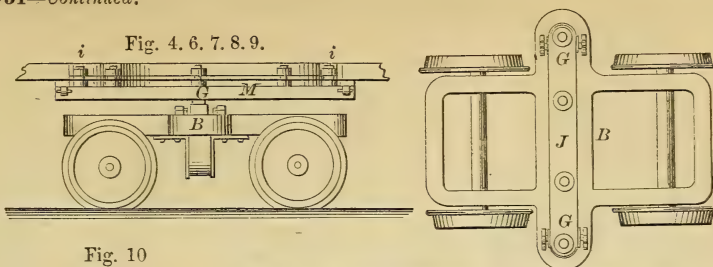
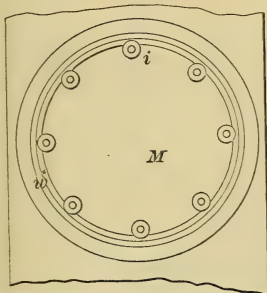
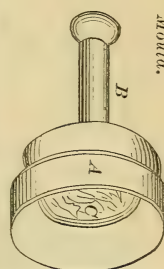
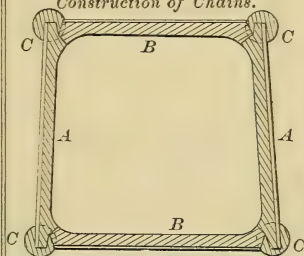


Fig. 10

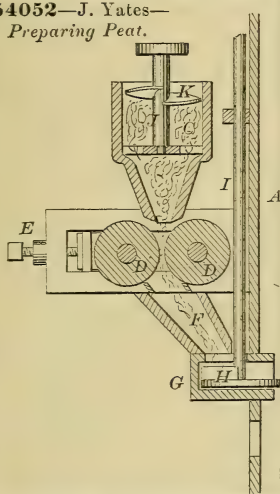


54053—A. & O. A. Bingham—  
Construction of Chains.

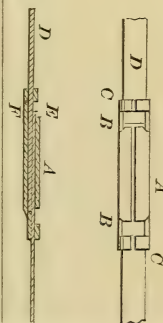
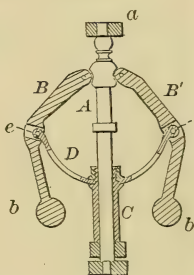


54054—J. S. Bulard—Butter  
Mould.

54052—J. Yates—  
Preparing Peat.

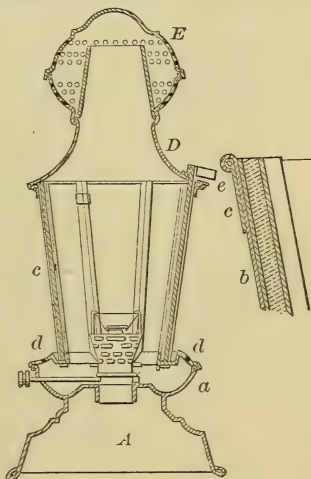


54057—J. C. Clime—Steam  
Engine Governor.

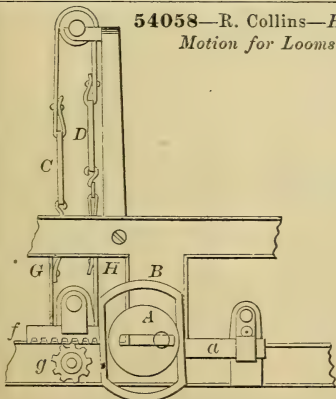


54055—Cheesman & Durand—  
Clasp for Skirt Hoops.

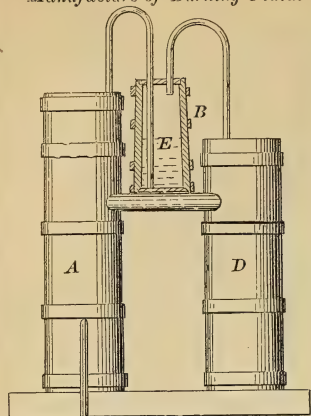
54059—E. Conrad—Lantern.



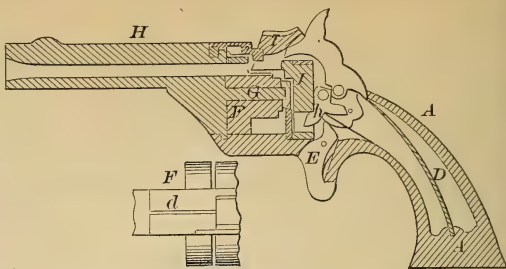
54058—R. Collins—Harness  
Motion for Looms.



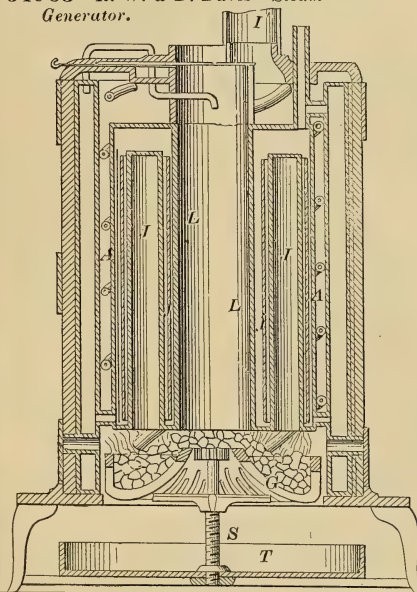
**54060**—W. Corfield—  
*Manufacture of Burning Fluid.*



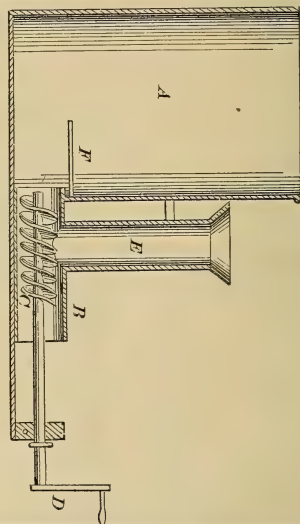
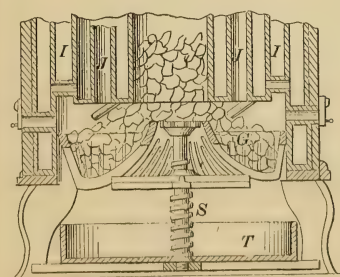
**54065**—J. B. Doolittle—*Revolving Fire Arm.*



**54063**—R. W. & D. Davis—*Steam Generator.*

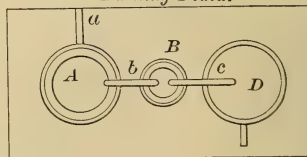


**54064**—R. W. & D. Davis—*Grate for Furnaces, &c.*

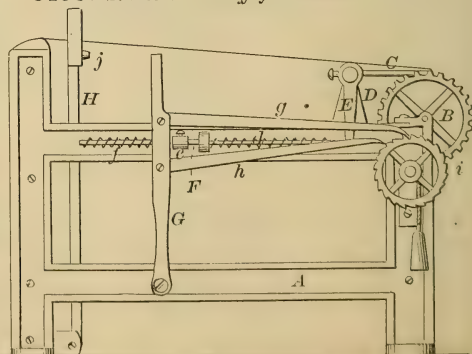


**54062**—Curtis & Tripp—*Amalgamator*

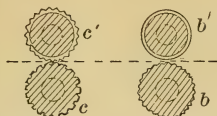
**54061**—W. Corfield—*Manufacture of Burning Fluid.*



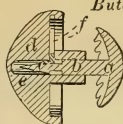
**54066**—S. Estes—*Let-off for Looms.*



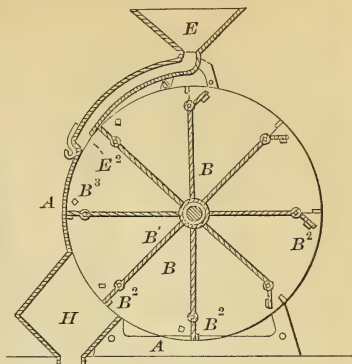
**54067**—J. B. Fuller—*Roller for Spinning Machines.*



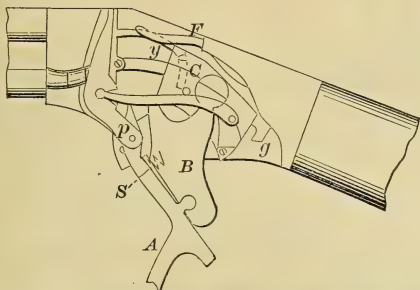
**54071**—C. Robitaille—*Button.*



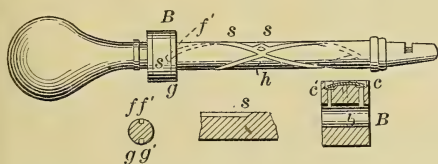
**54072**—W. S. Sampson—*Grain Meter.*



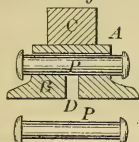
**54068**—J. Gray—*Magazine Fire Arm.*



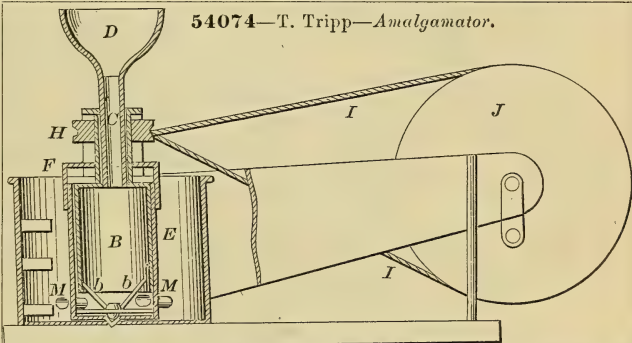
**54069**—D. F. Hartford—*Drill Stock.*



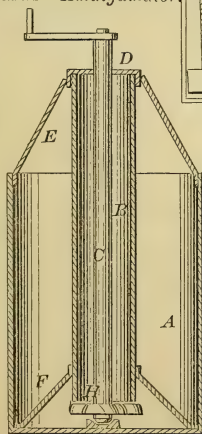
**54070**—J. H. Palmer—*Lubricating Oil Cup.*



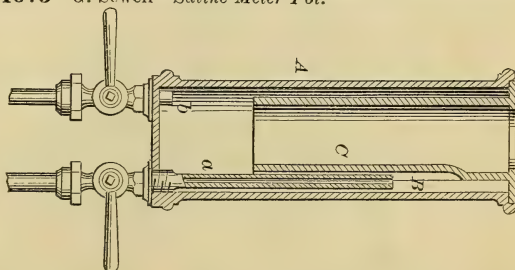
**54074**—T. Tripp—*Amalgamator.*



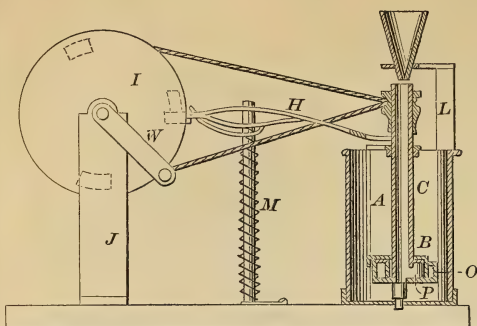
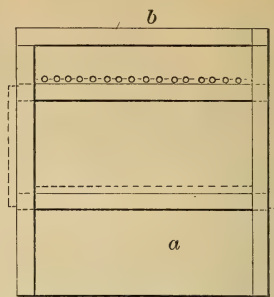
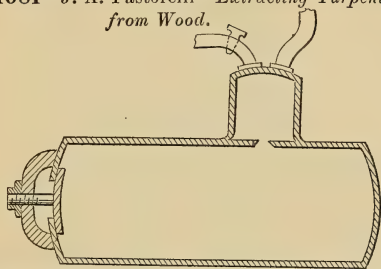
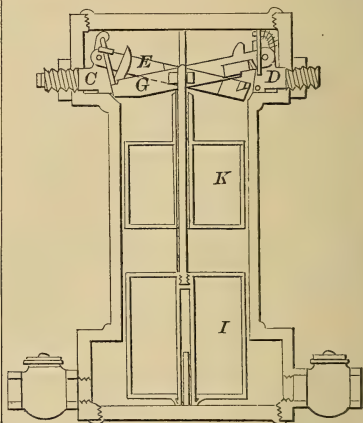
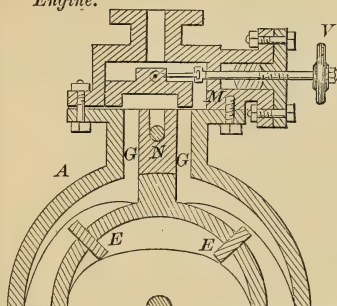
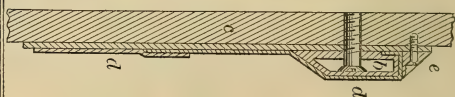
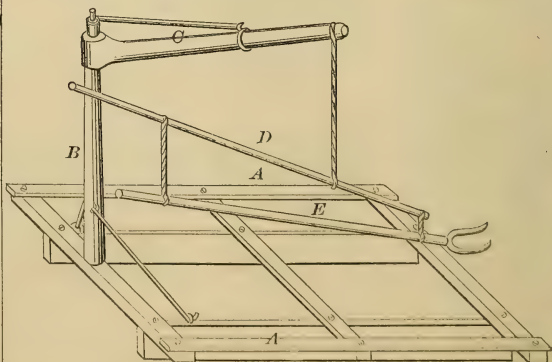
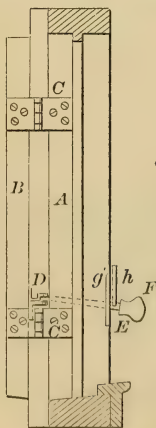
**54075**—Tripp & Curtis—*Amalgamator.*



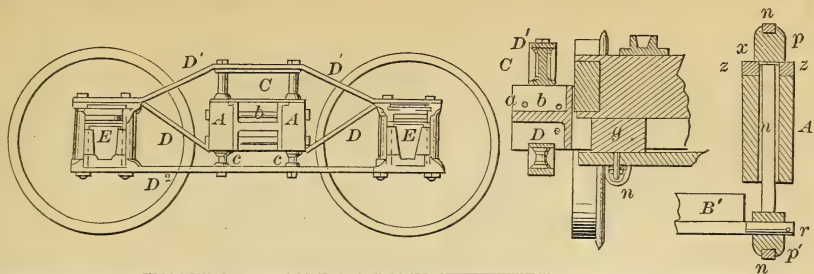
**54073**—G. Sewell—*Saline Meter Pot.*



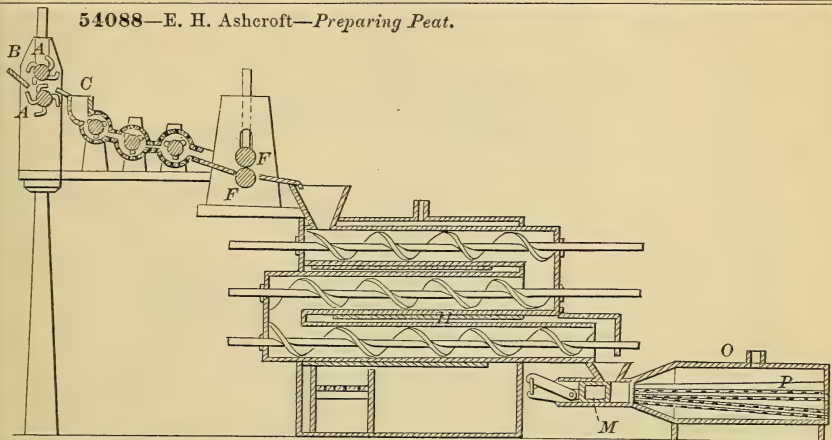


54076—Tripp & Curtis—*Amalgamator.*54080—G. Clark—*Envelope for Bottles and Jars.*54081—J. A. Pastorelli—*Extracting Turpentine from Wood.*54078—W. Bowman—*Boiler Feeder.*54079—F. Chatelain—*Rotary Engine.*54083—F. P. Warren—*Sheathing for Iron Vessels.*54084—G. Race—*Hay Loader.*54077—S. W. Woodward—*For Opening and Closing Window Blinds.*

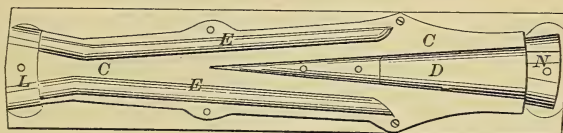
54085—C. F. Allen—*Car Truck.*



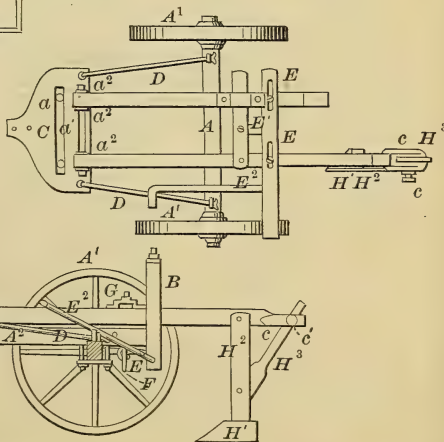
54088—E. H. Ashcroft—*Preparing Peat.*



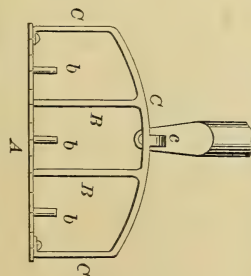
54086—E. G. Allen—*Railway Frog.*



54089—C. Atwood—*Gang Plow.*



54087—G. P. Allen—*Weeding Hoe.*



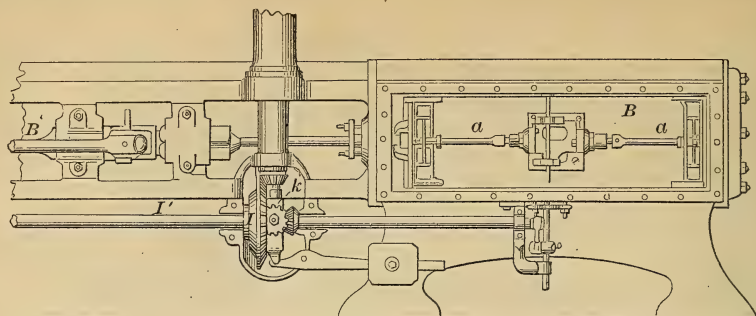
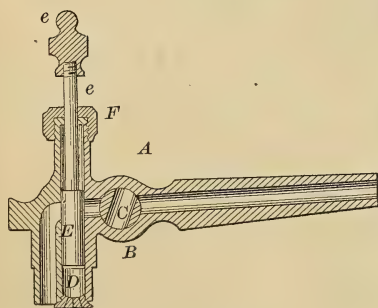
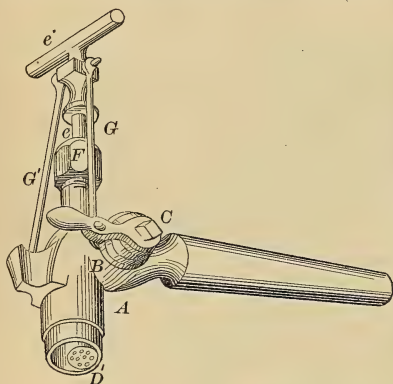
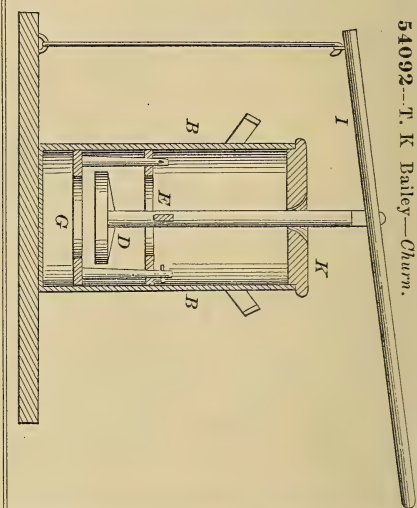
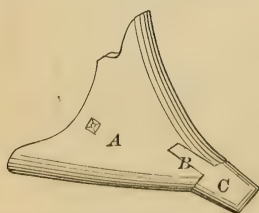
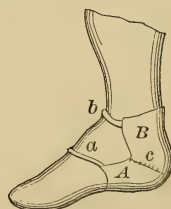
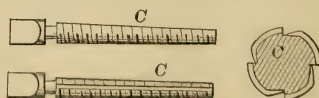
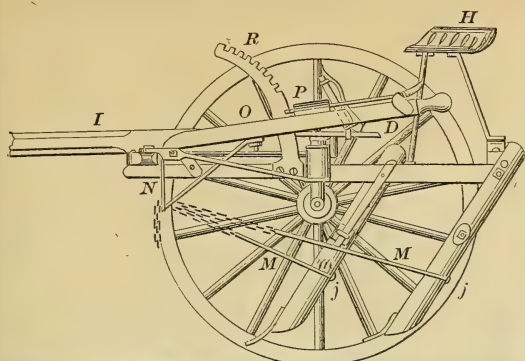
54090—Babcock & Wilcox—*Cut-off Valve*.

Fig. 5

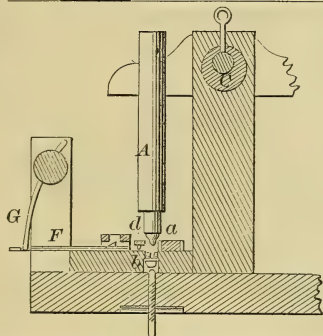
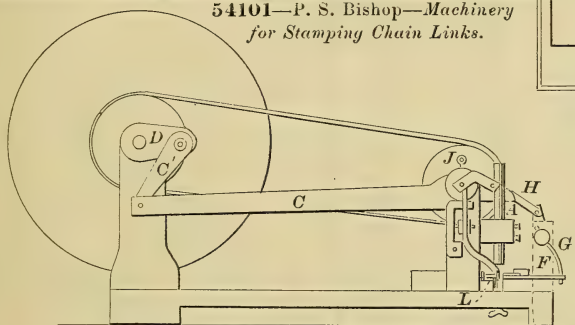
54091—J. C. Baer—*Beer Faucet*.54095—L. M. Bates—*Plow*.54092—T. K. Bailey—*Churn*.54094—S. J. Baker—*Stocking Heel Protector*.54096—B. F. Bee—*Screw Tap*.



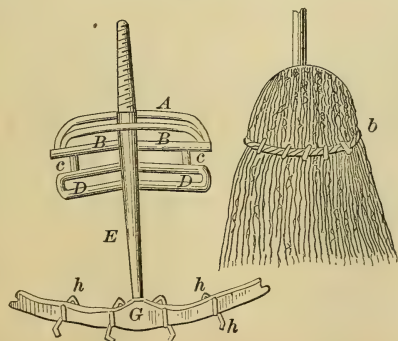
54099—Bertrand & Sames—Cultivator.



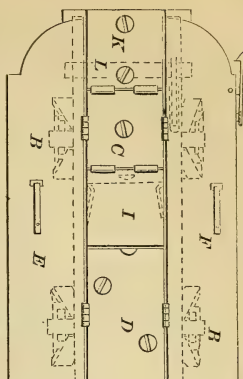
54101—P. S. Bishop—Machinery for Stamping Chain Links.



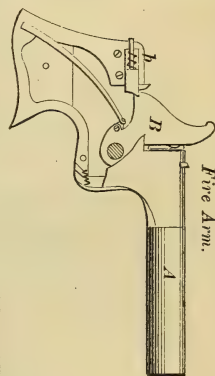
54104—J. Buchanan—Broom Head.



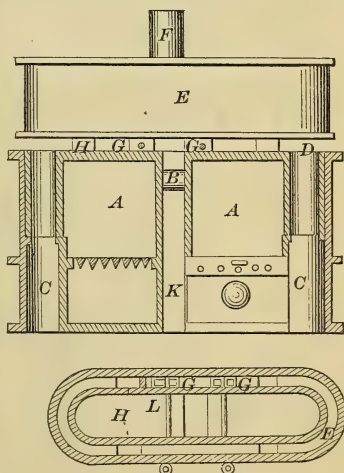
54103—H. H. Brown—Wool Press.

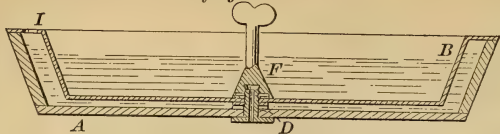
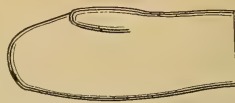
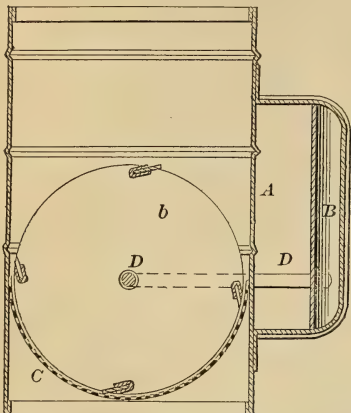
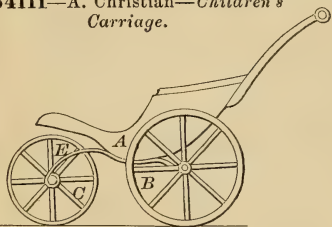
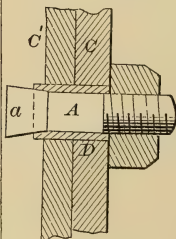
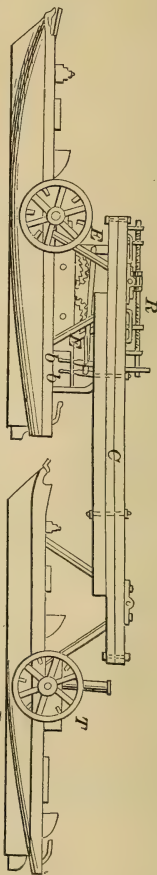
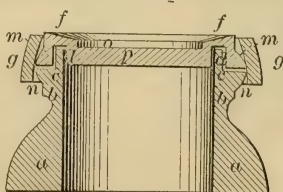
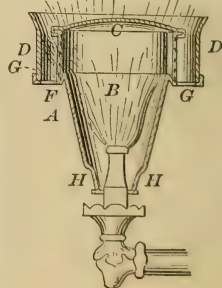


54100—C. E. Billings—Breech-Loading Fire Arm.

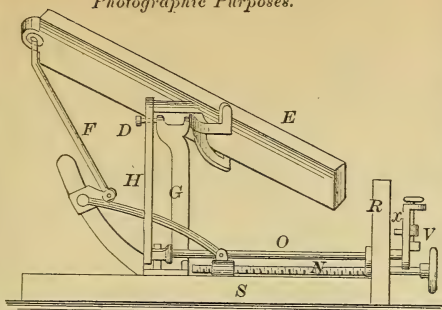


54102—Bridge & Ruby—Heating Stove.

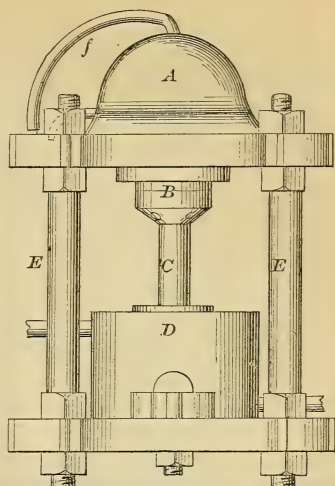


**54105**—Burchnall & Johnson—*Milk and Cream Refrigerator.***54108**—A. C. Carey—*Knitted Mitten.***54106**—C. Burnham—*Flour Sifter.***54110**—A. Case—*Stereotype Block.***54111**—A. Christian—*Children's Carriage.***54109**—*Machine-made Stocking.***54112**—J. H. Clapham—*Sheath for Drilling.***54113**—E. Clark—*Bolt Fastening for Boiler Heads.***54107**—C. W. Cahoon—*Wave Power Propulsion.***54116**—S. E. Cook—*Imitation of Braided Hair.***54117**—W. F. Corpe—*Fruit Jar.***54114**—Clark & Savage—*Burner for Gas Stoves.*

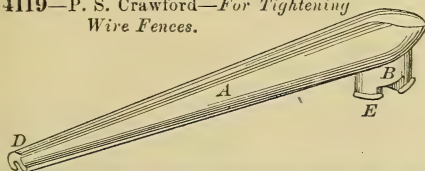
54118—Crane & Pease—Solar Mirror for Photographic Purposes.



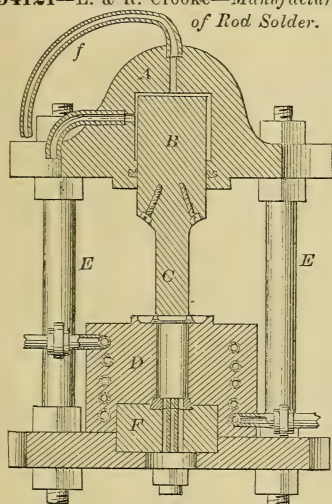
54120—L. & R. Crooke—Compressed Rod Solder.



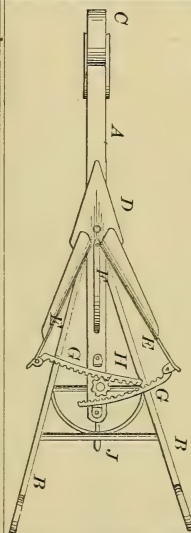
54119—P. S. Crawford—For Tightening Wire Fences.



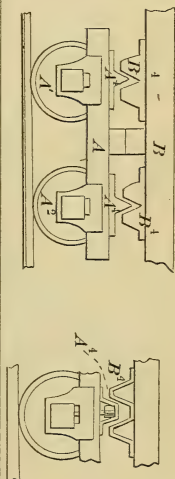
54121—L. & R. Crooke—Manufacture of Rod Solder.



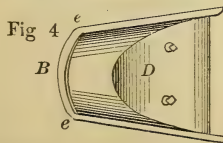
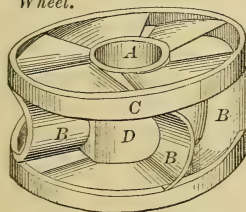
54122—H. W. Curtis—Collimator.



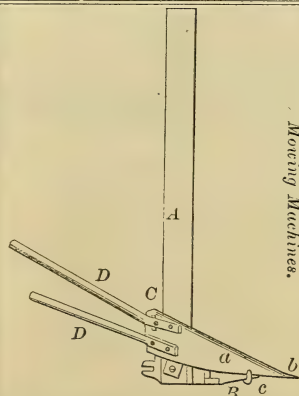
54125—W. Dawson—Car Truck.



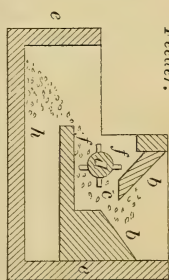
54123—D. Cushman—Water Wheel.



54124—J. M. Davis—Truck Cleaner for Moving Machines.

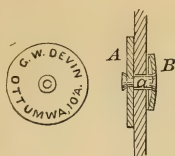


54126—M. Deamp—Revolving Grain Feeder.

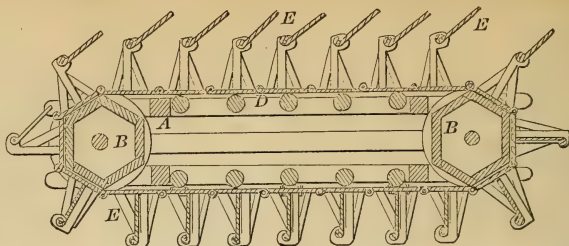




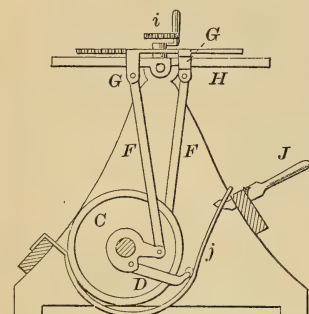
**54127**—G. W. Devin—  
Marking Stock.



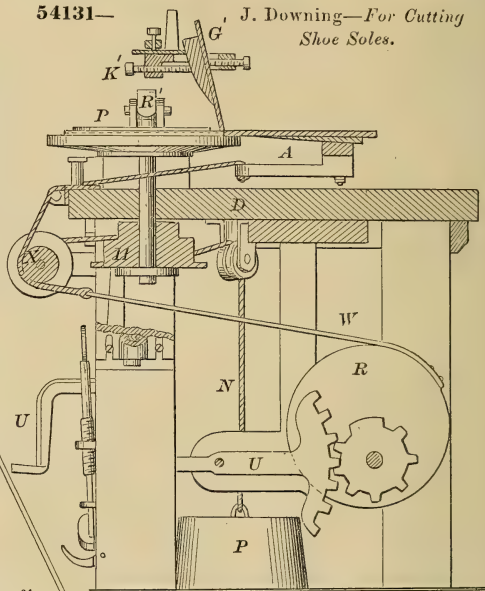
**54128**—M. Devoe—Water Wheel.



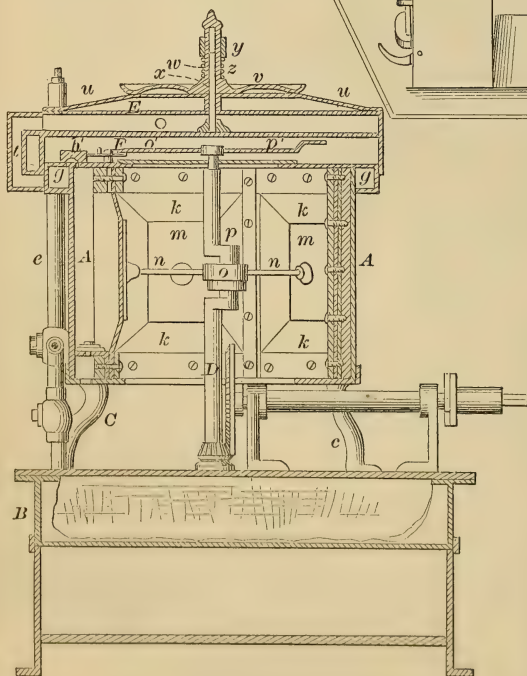
**54130**—P. Dickson—Lever Power  
of Windlasses, &c.



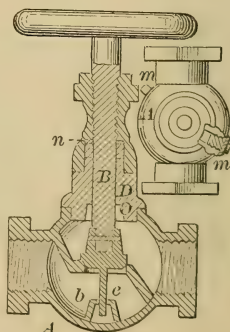
**54131**—J. Downing—For Cutting  
Shoe Soles.



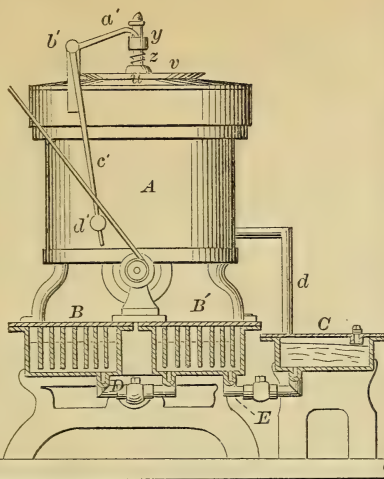
**54132**—O. P. Drake—For  
Carburetted Air.



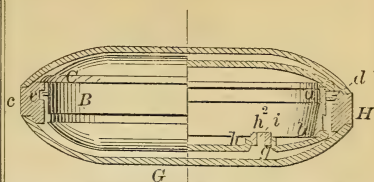
**54129**—T. B. Dexter—  
Steam Valve.



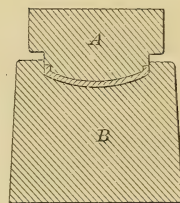
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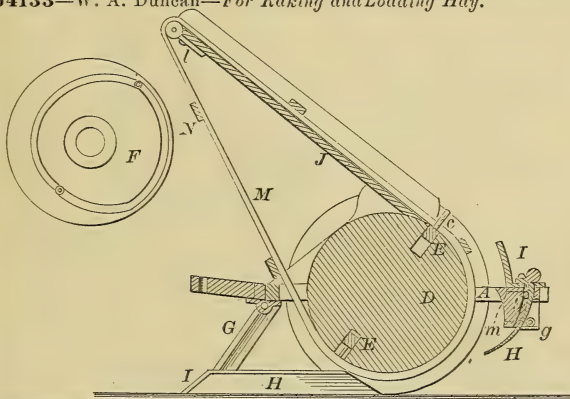
54133—S. D. Engle—Watch.



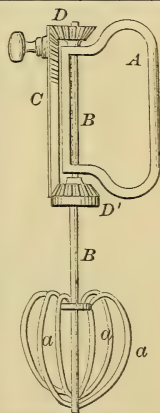
54137—C. H. Field—Watch Back.



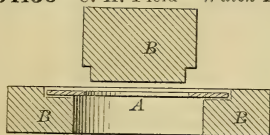
54133—W. A. Duncan—For Raking and Loading Hay.



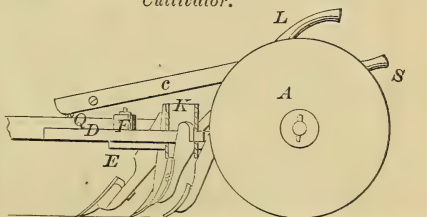
54134—T. Earle—Egg Beater.



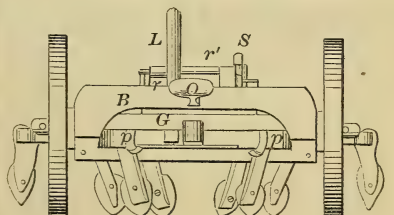
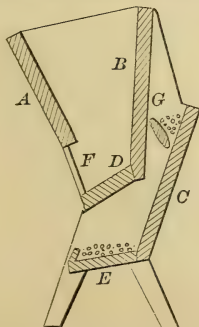
54136—C. H. Field—Watch Rim.



54139—J. L. Fountain—Combined Seeder and Cultivator.



54138—M. Foreacre—Sheep Rack.



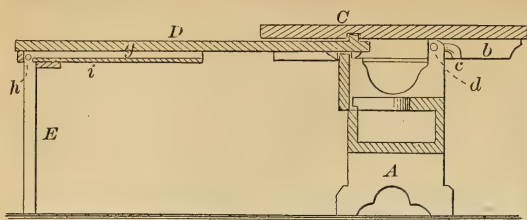
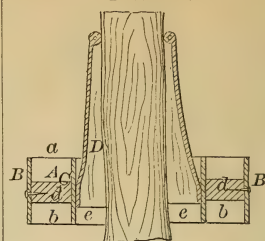
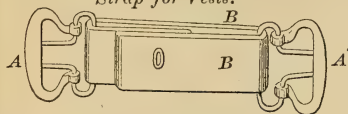
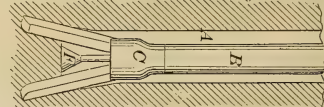
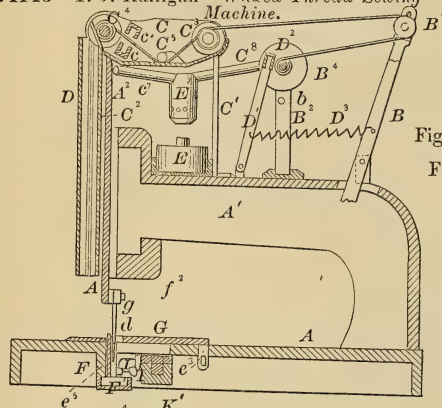
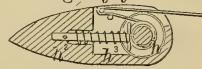
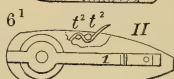
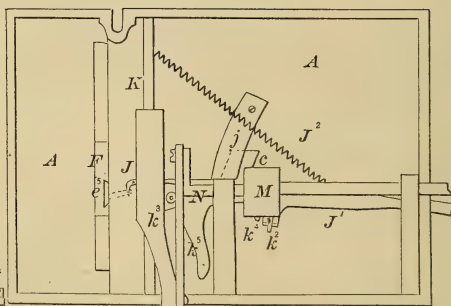
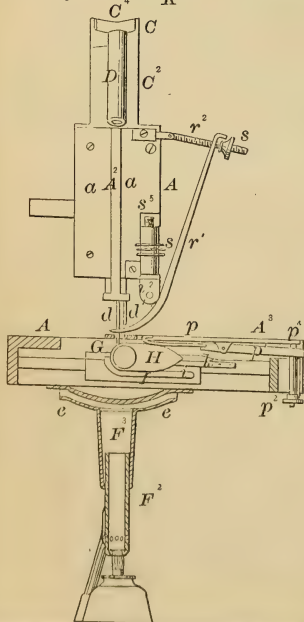
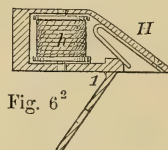
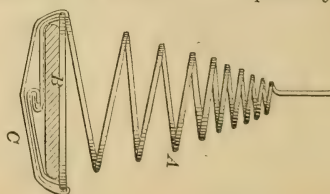
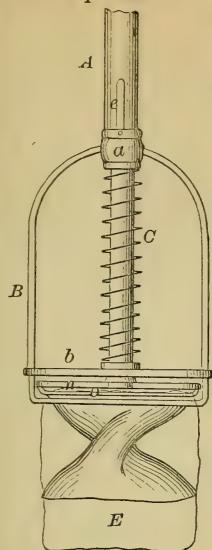
54140—E. Fowler—*Settee and Table.*54141—G. Frost—*Tree Protector.*54142—R. Gibbons—*Adjustable Back Strap for Vests.*54144—A. Hamar—*Boring Artesian Wells.*54145—T. J. Halligan—*Waxed Thread Sewing Machine.*Fig. 5  $t^2 t^2$ 

Fig. 6

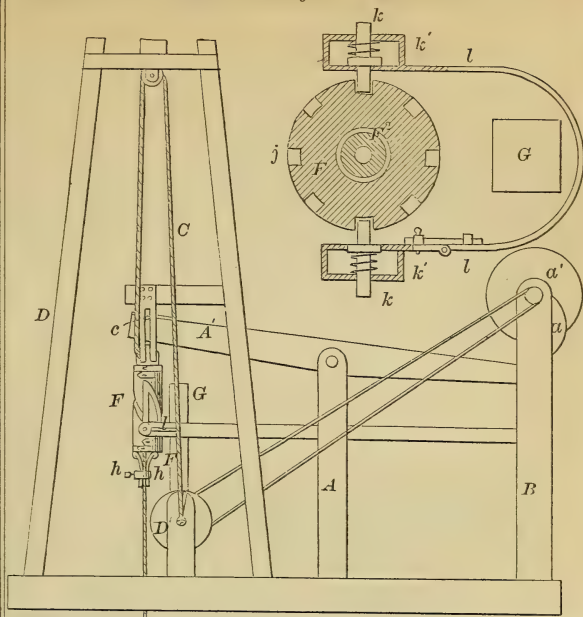
Fig. 6<sup>1</sup>Fig. 6<sup>2</sup>54143—W. H. Goodale—*Upholstery Spring.*



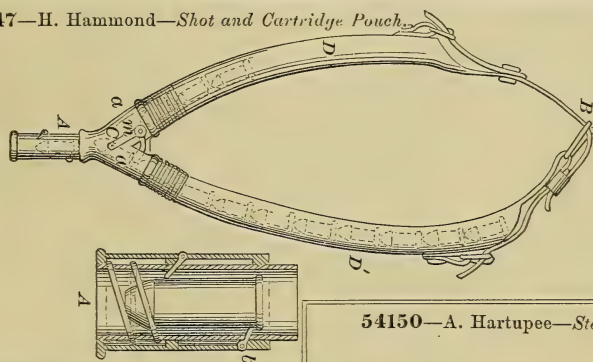
54146—G. H. Hammer—*Mop Head.*



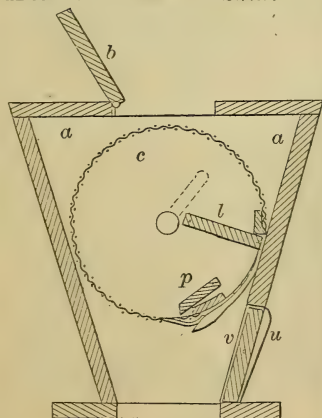
54148—D. R. Harder—*Boring Oil Wells.*



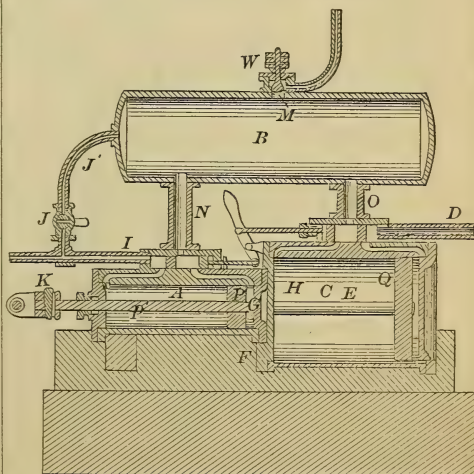
54147—H. Hammond—*Shot and Cartridge Pouch.*



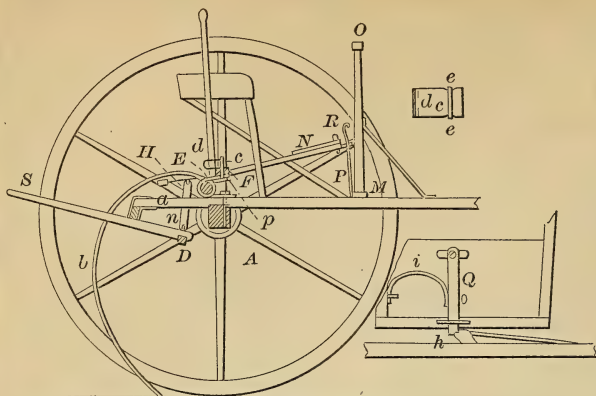
54149—P. Harlow—*Ash Sifter.*



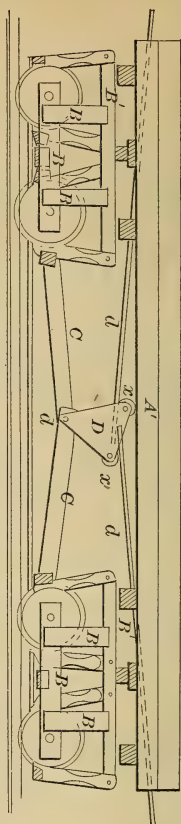
54150—A. Hartupee—*Steam Engine.*



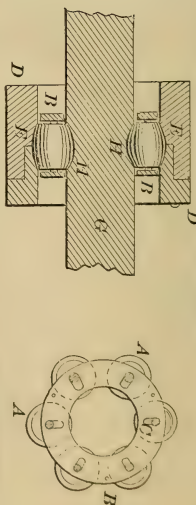
54151—H. R. Hawkins—Horse Rake.



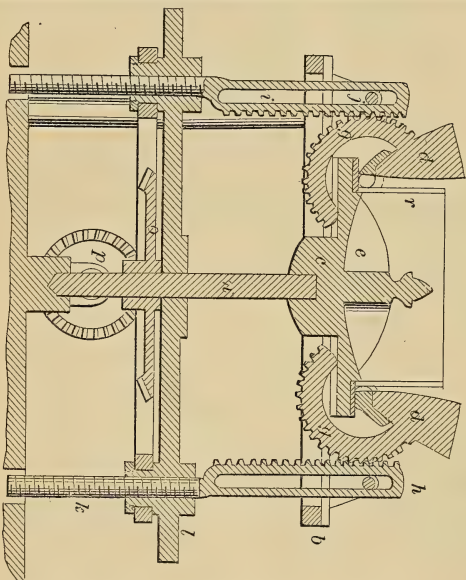
54152—G. H. Henkel—Car Brake.



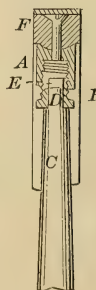
54156—D. K. Hickok—Journal Box.



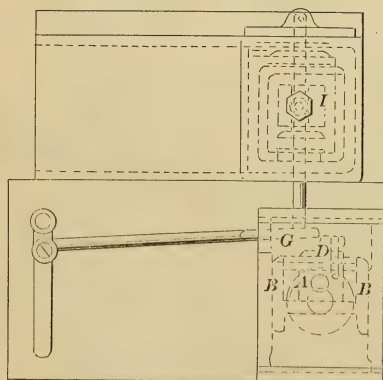
54154—C. Hewitt—Corrugated Wrought Iron Plates for Railroad Wheels.



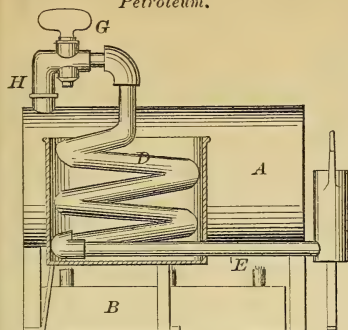
54155—G. G. Hickman—Carriage Wheel.



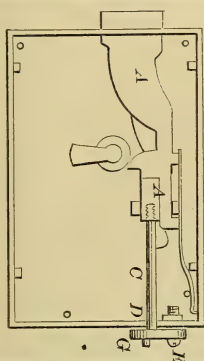
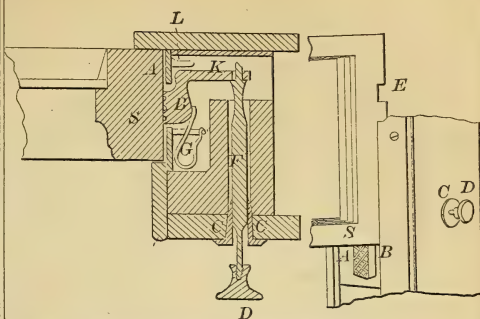
54153—J. L. Hewes—Cut-off Valve.



54157—A. D. Higham—*Distilling Petroleum.*

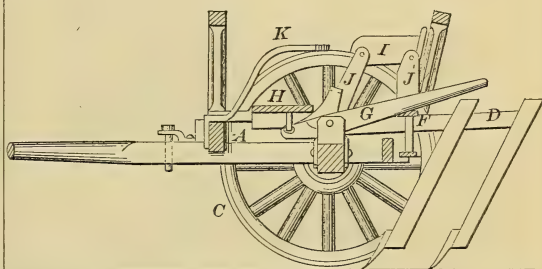


54158—W. F. Hill—*Sash Supporter and Fastener.*

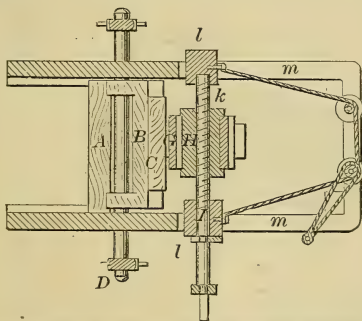


54162—L. G. Hoffman—*Lock.*

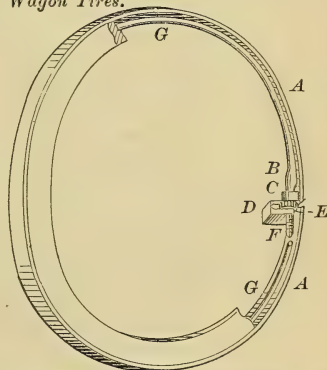
54160—S. Hoffheins—*Cultivator.*



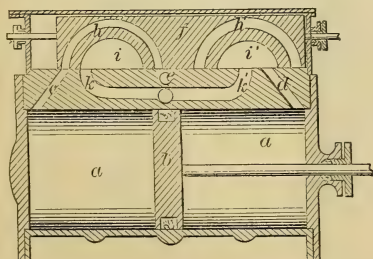
54161—F. Hoffman—*For Polishing Wood.*



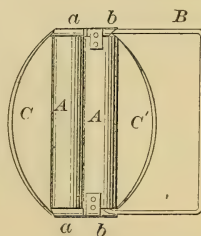
54159—G. Hillegrass—*For Tightening Wagon Tires.*



54163—A. J. Homan—*Slide Valve.*



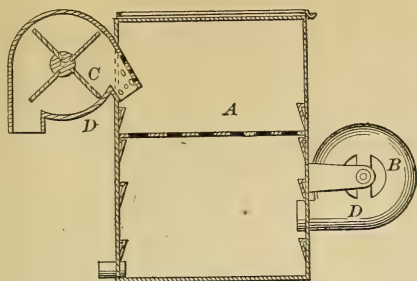
54164—L. Hover—*Sad Iron Holder.*



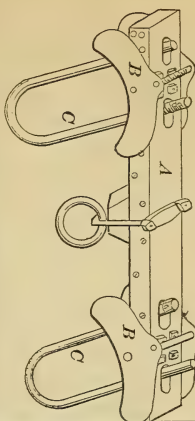




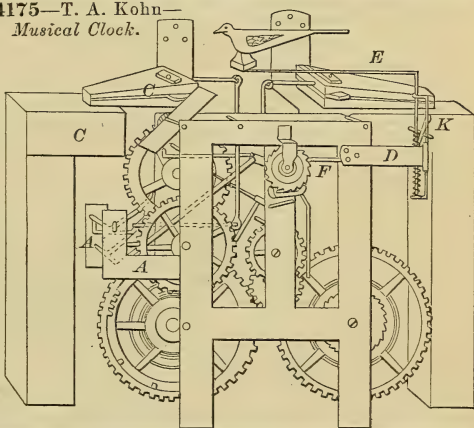
54173—W. Kendrick—*Evaporating and Drying Apparatus.*



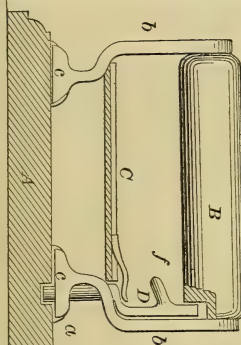
54176—W. B. Krum—*Ox Yoke.*



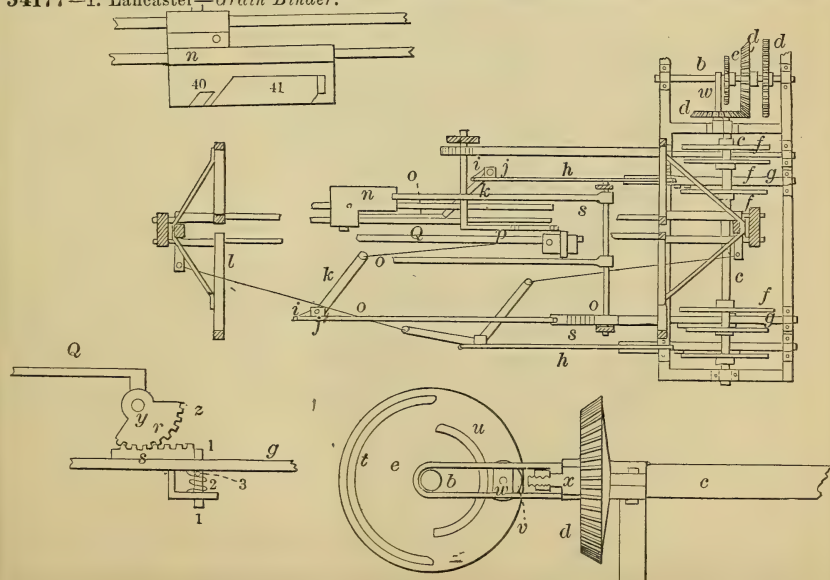
54175—T. A. Kohn—*Musical Clock.*

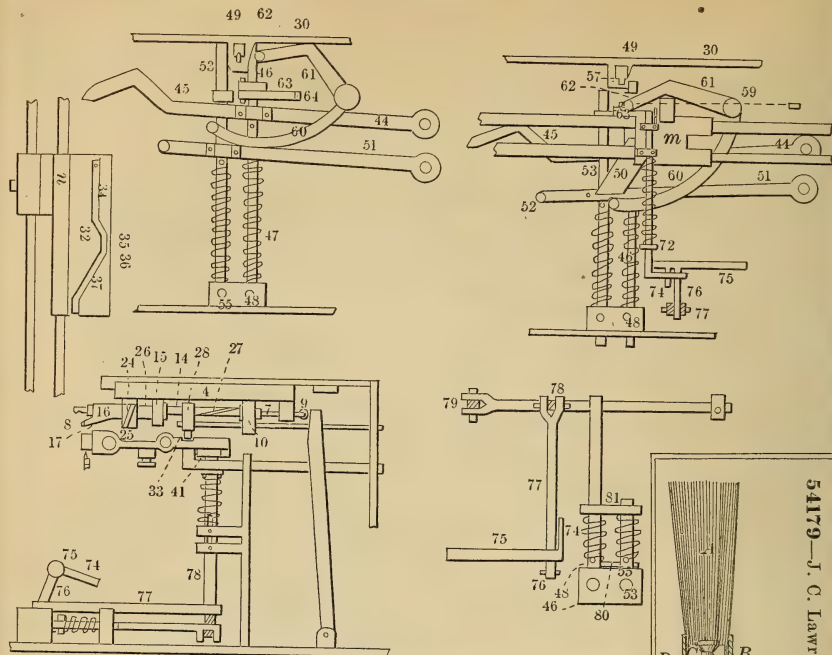
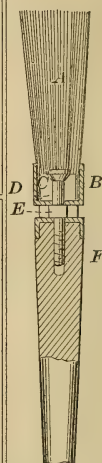
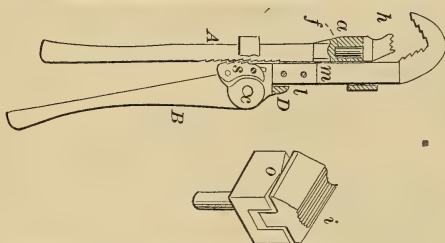
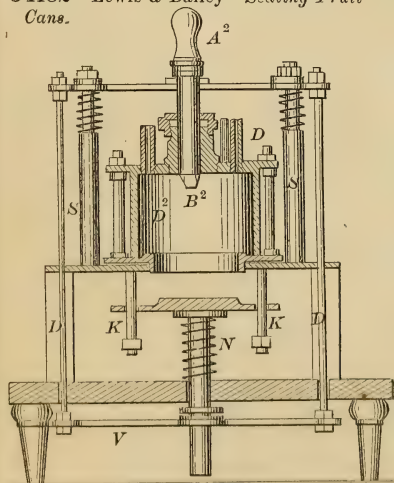
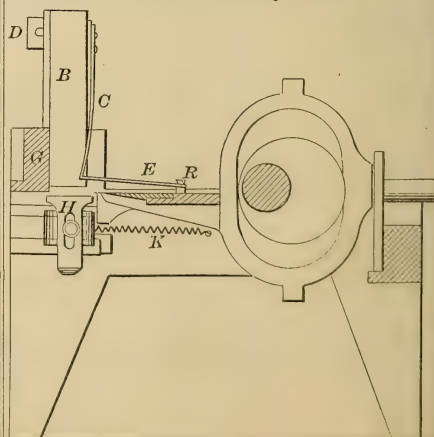


54174—G. G. Kniffin—*Sad Iron.*



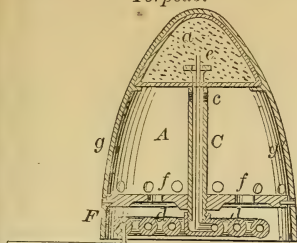
54177—I. Lancaster—*Grain Binder.*



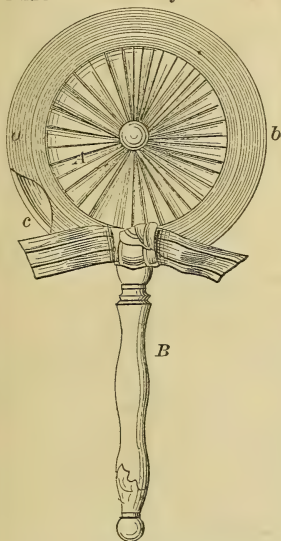
54177—I. Lancaster—*Grain Binder—Continued.*54179—J. C. Lawrence—*Brush.*54178—W. H. Landbeck—*Wrench.*54182—Lewis & Bailey—*Sealing Fruit Cans.*54180—C. Learned—*Cutting Lath.*



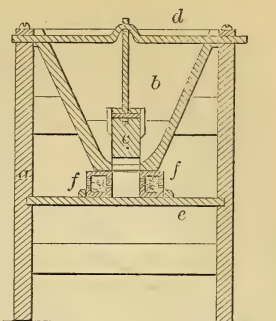
54183—J. Mac Donough—*Submarine Torpedo.*



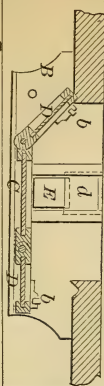
54184—G. Mallory—*Fan.*



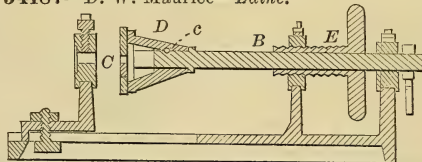
54186—S. Marden—*Peat Machine.*



54185—Mann & Hise—*Ventilating Cur Windows.*

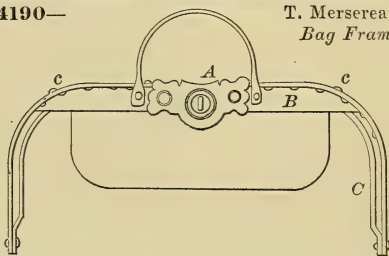


54187—D. W. Maurice—*Lathe.*

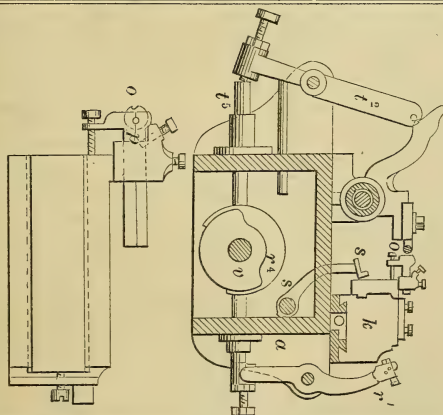


54190—

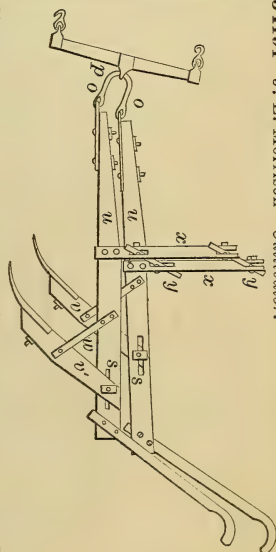
T. Mersereau—*Bag Frame.*



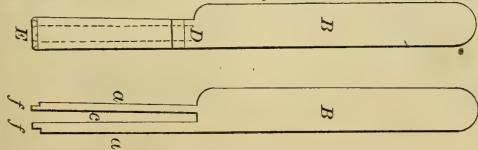
54188—D. F. Mellen—*For Threading Screw Blanks.*



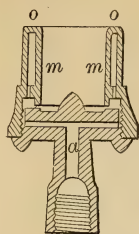
54191—J. E. Morrison—*Cultivator.*



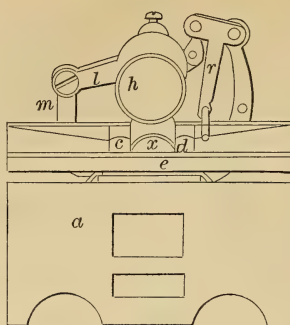
54189—D. H. Merriam—*Knife Handle.*



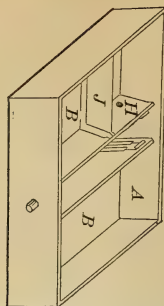
**54193**—Murray & Oakes—*Argand Gas Burner.*



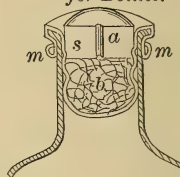
**54195**—P. H. Niles—*For Soldering Tin Cans.*



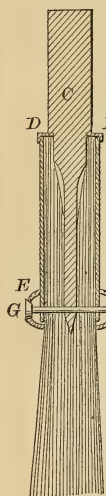
**54196**—H. P. Nide—*Sorghum Evaporator.*



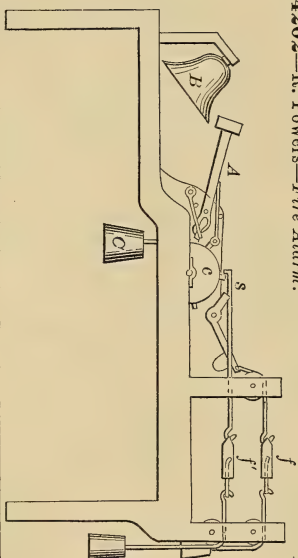
**54201**—R. G. Pike—*Stopper for Bottles.*



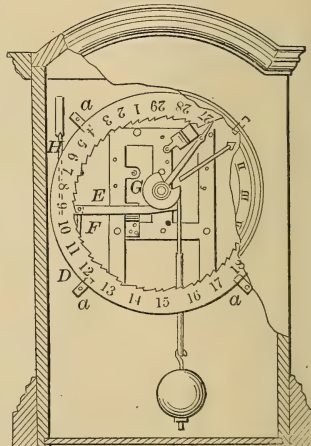
**54200**—G. W. Parsons—*Broom Head.*



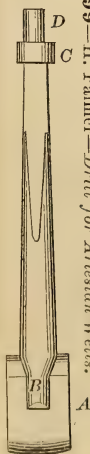
**54202**—R. Powers—*Fire Alarm.*



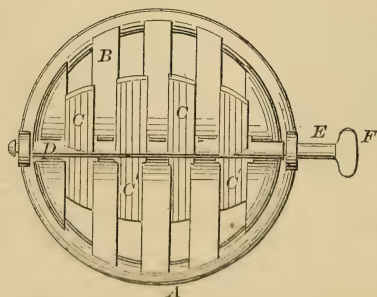
**54198**—G. B. Owen—*Calendar Clock.*



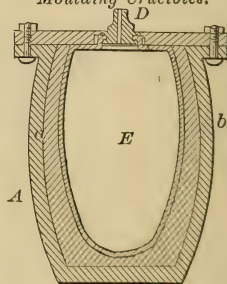
**54199**—H. Palmer—*Drill for Artesian Wells.*



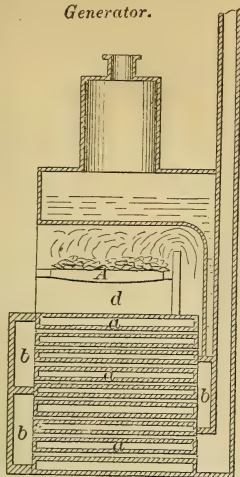
**54197**—S. R. Nye—*Stove Pipe Damper.*



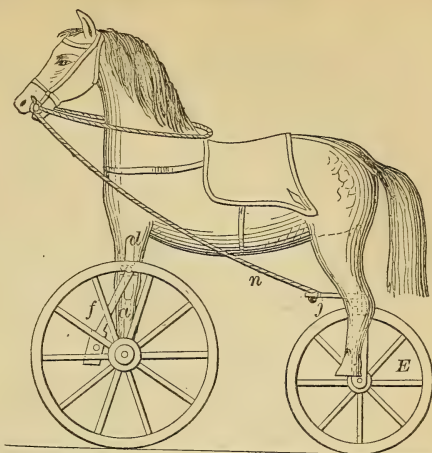
**54204**—J. L. Presby—*For Moulding Crucibles.*



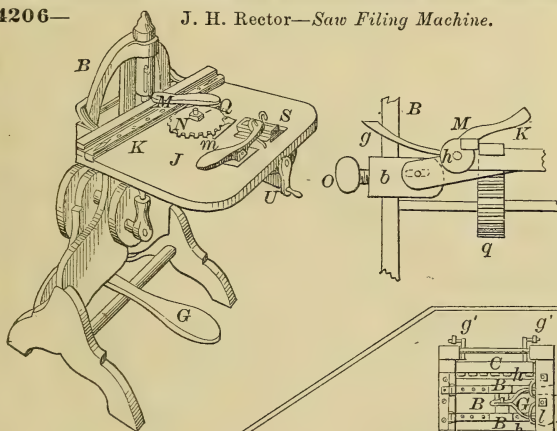
54205—R. Rafael—*Steam Generator.*



54207—H. A. Reynolds—*Velocipede.*

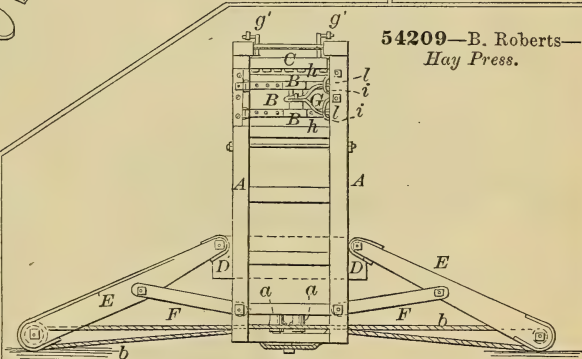


54206— J. H. Rector—*Saw Filing Machine.*

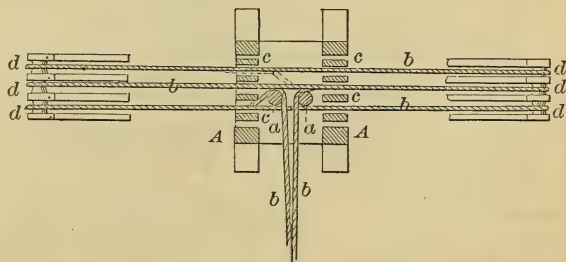
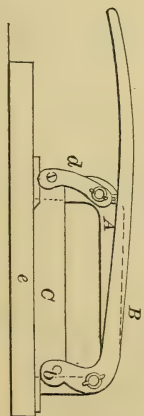


54208—J. E. Rice—*Picture Frame.*

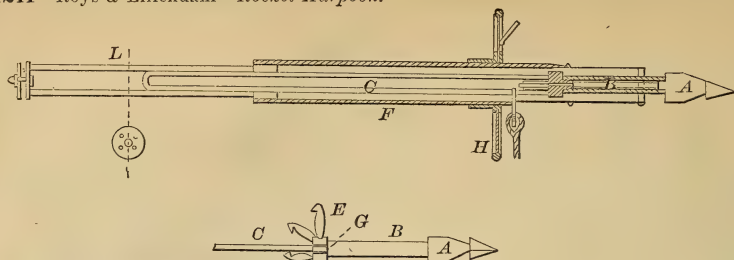
54209—B. Roberts—*Hay Press.*



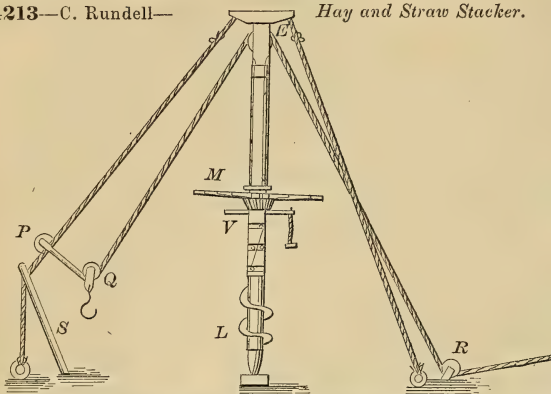
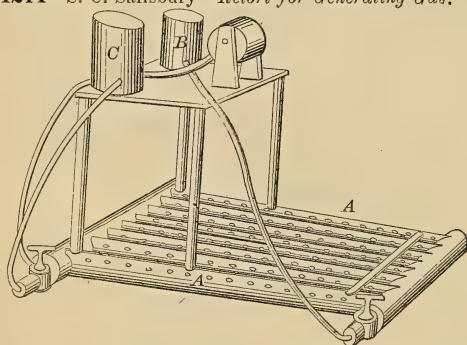
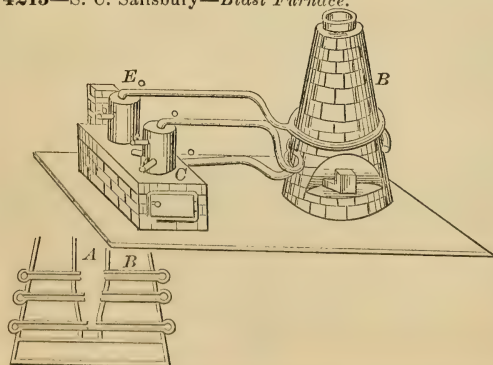
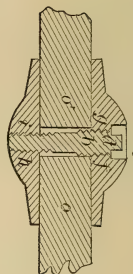
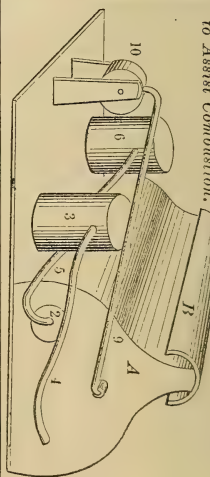
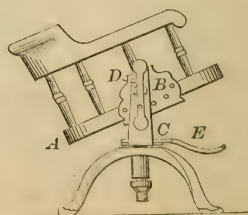
54210—D. T. Robinson—*for Cutting Tobacco.*



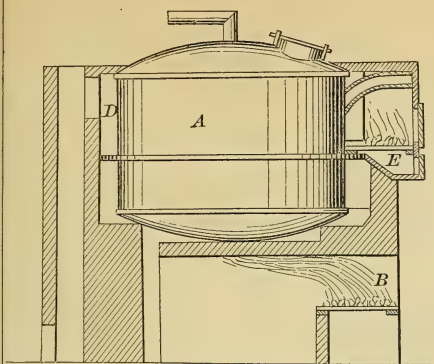


54211—Roys & Lillendahl—*Rocket Harpoon.*

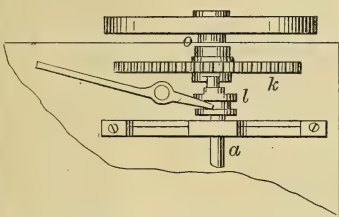
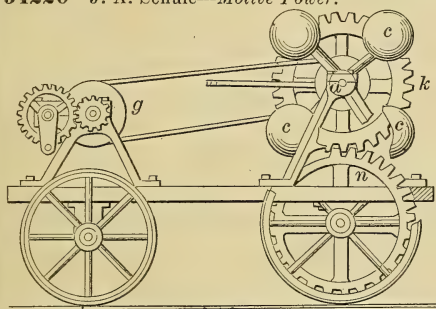
54213—C. Rundell—

*Hay and Straw Stacker.*54214—S. C. Salisbury—*Retort for Generating Gas.*54215—S. C. Salisbury—*Blast Furnace.*54212—S. P. Ruggles—*Shaft Coupling.*54216—S. C. Salisbury—*For Applying Oil and Water to Assist Combustion.*54217—J. F. Sargent—*Chair.*

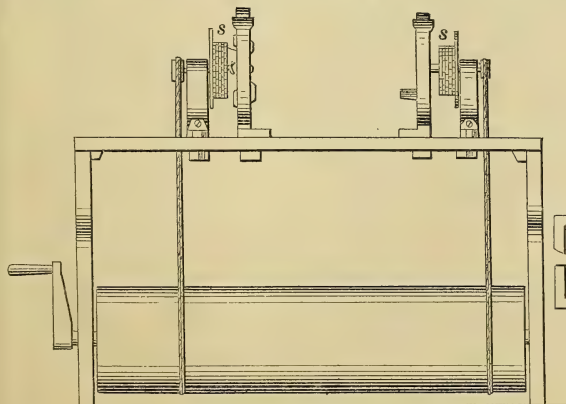
54218—H. A. Schesch—*For Distilling.*



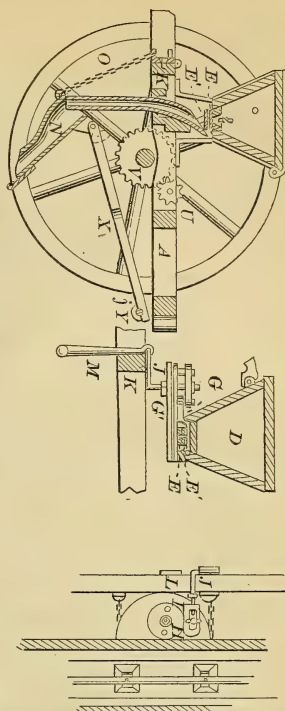
54220—J. A. Schule—*Motive Power.*



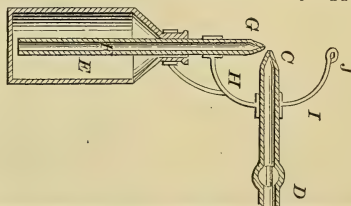
54222—J. M. Seymour—*For Tenoning Blind Stats.*



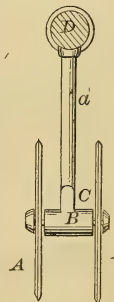
54219—P. & P. J. Schmitt—*Green Drill.*

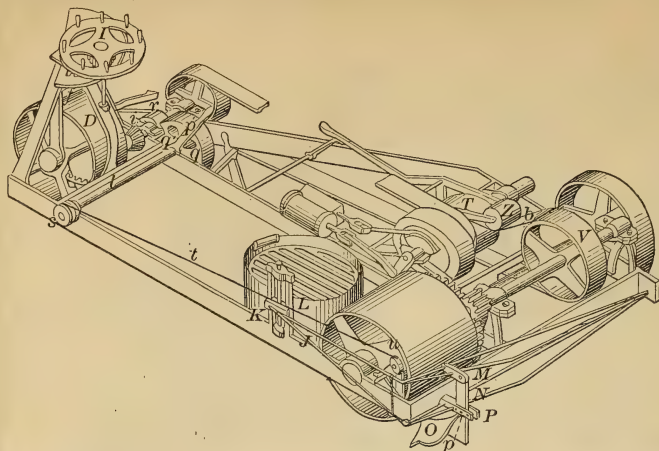
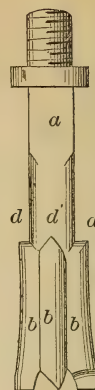
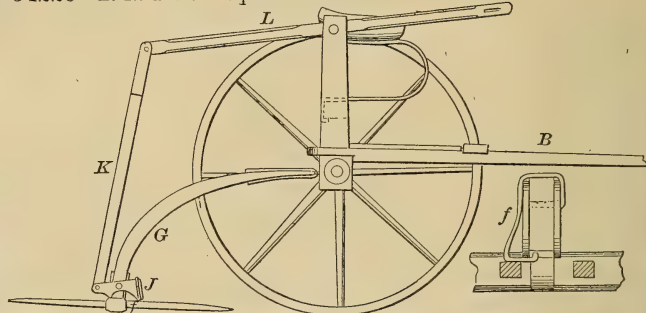
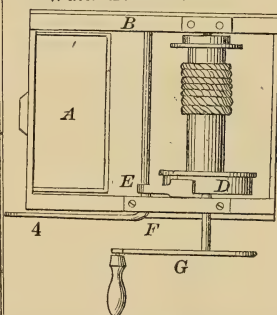
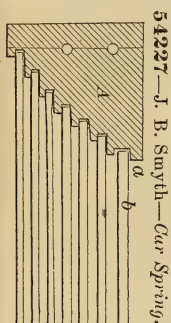
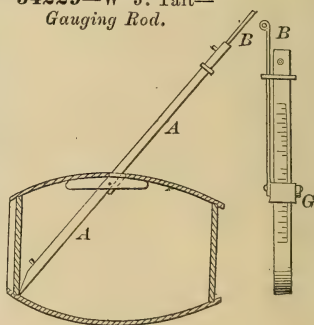


54221—J. M. Seudder—*Disinfecting Apparatus.*

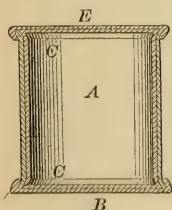
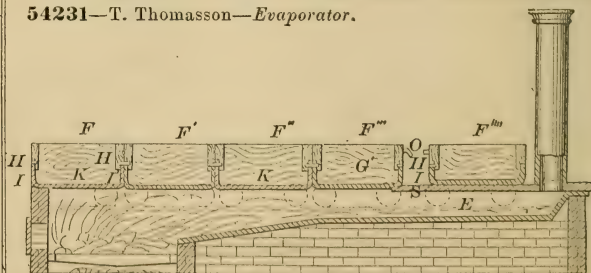


54223—J. Shepard—*Meat and Vegetable Cutter.*



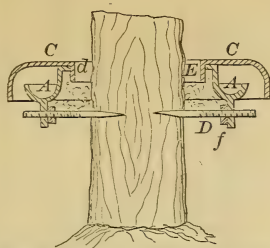
54224—G. Simonson—*Steam Plow.*54226—J. Y. Smith—*Rock Drill.*54228—E. R. & W. P. Spear—*Horse Rake.*54225—H. M. Smith—*Water Elevator.*54229—W. J. Tait—*Gauging Rod.*54227—J. B. Smyth—*Car Spring.*

54230—E. A. Thomas—

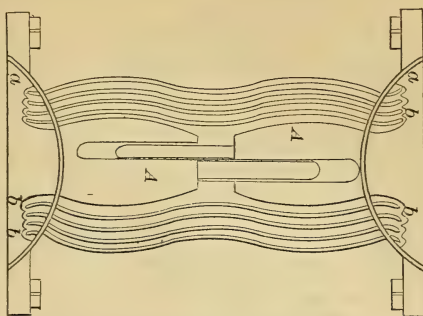
*Can for Caustic Alkali.*54231—T. Thomasson—*Evaporator.*



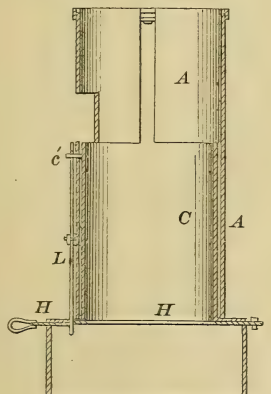
54232—T. Tufts—Tree Protector.



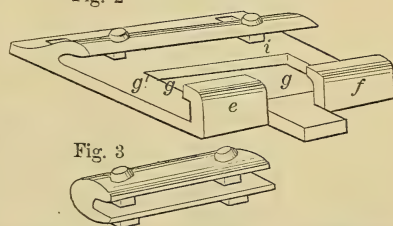
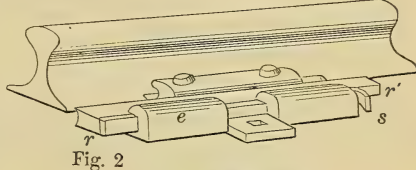
54234—A. T. Watson—Railroad Car Spring.



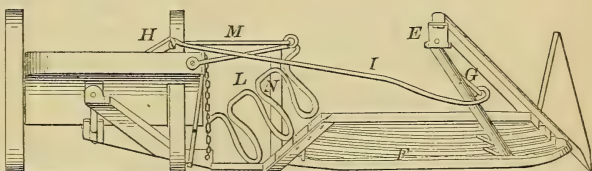
54233—W. Van De Sande—Heating Stove.



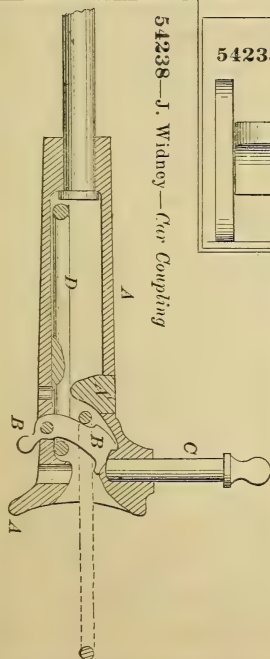
54236—J. W. Wetmore—Railroad Chair.



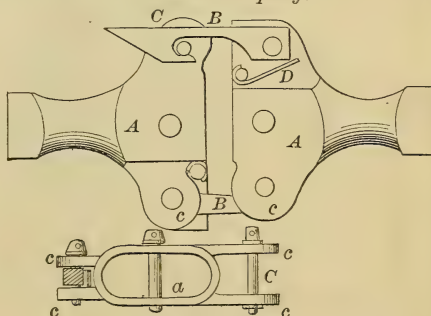
54235—G. Wellhouse—Harvester Rake.



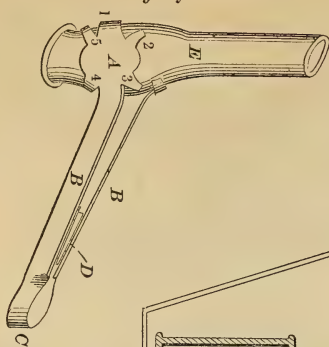
54238—J. Widney—Car Coupling.



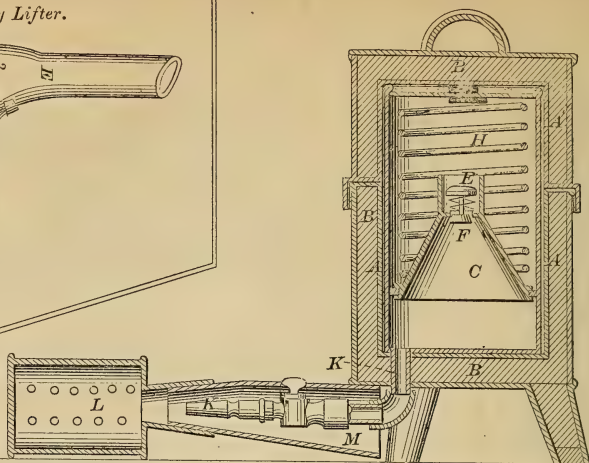
54237—C. O. Wheeler—Car Coupling.



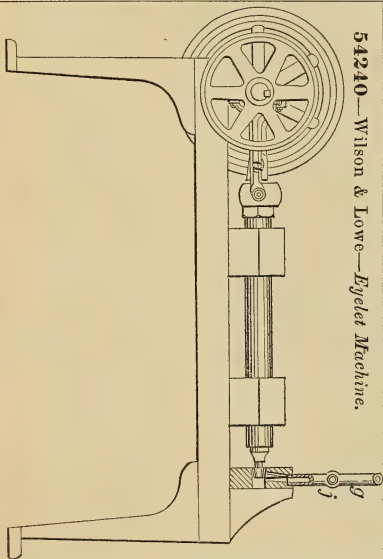
**54239**—Wilhelm & Larimore—*Lamp Chimney Lifter.*



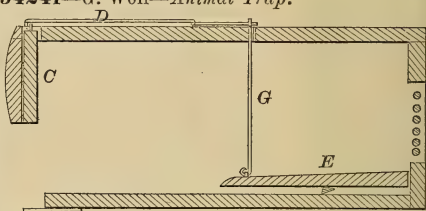
**54243**—R. Yoilding—*For Burning Tar.*



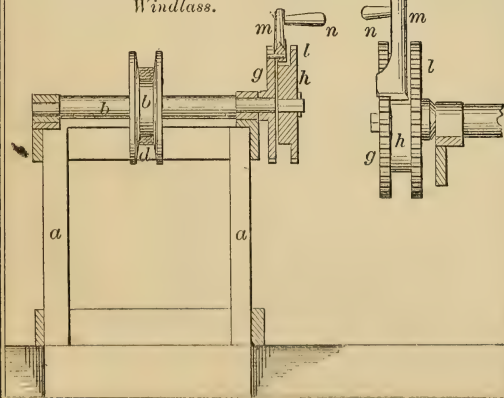
**54240**—Wilson & Lowe—*Eyellet Machine.*



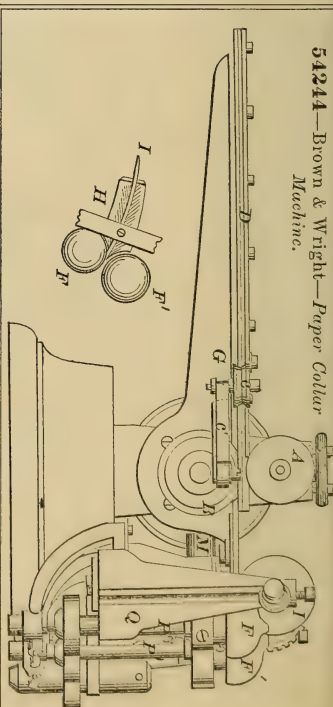
**54241**—G. Wolf—*Animal Trap.*



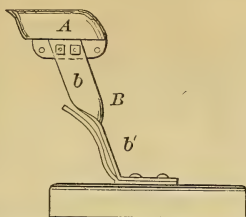
**54242**—T. J. Wrangham—*Well Windlass.*



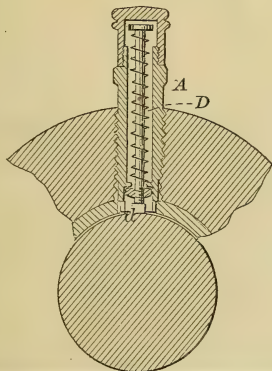
**54244**—Brown & Wright—*Paper Collar Machine.*



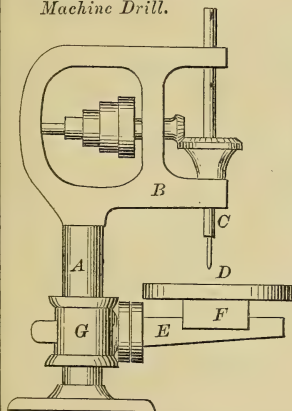
**54245**—T. S. Brown—*Seat for Harvester.*



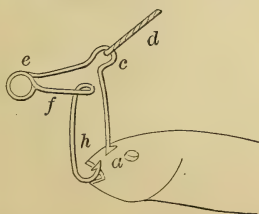
**54246**—N. B. Brown—*Device For Lubricating Axles.*



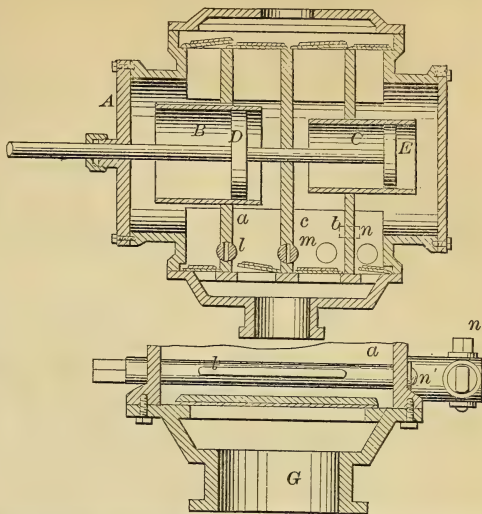
**54248**—N. P. Eddy—*Machine Drill.*



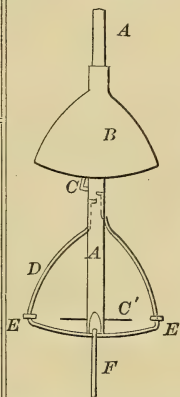
**54251**—Johnson & Howarth—*Fish Hook.*



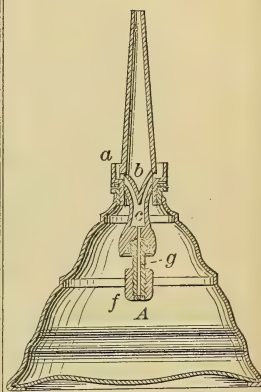
**54247** J. N. Dennison—*Fire Engine and Pump.*



**54249**—D. P. Farnham—*Broom.*

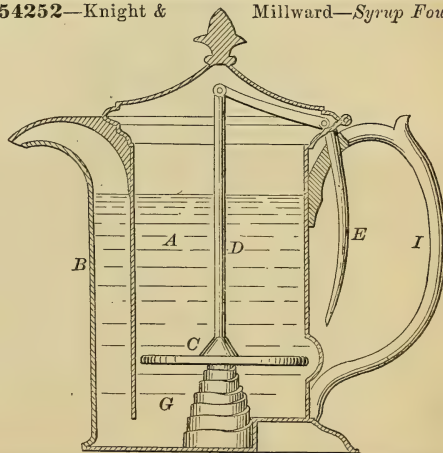


**54250**—G. L. Holt—*Oil Can.*



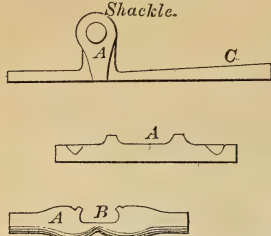
**54252**—Knight &

Millward—*Syrup Fountain.*

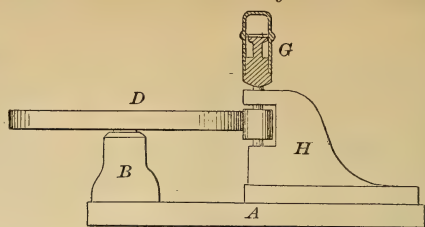




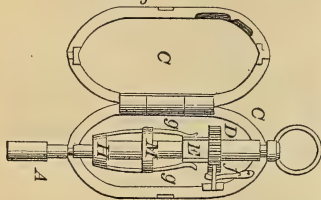
54253—W. W. Knowles—Carriage Shackle.



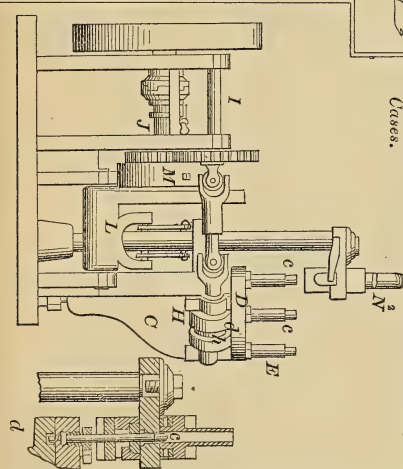
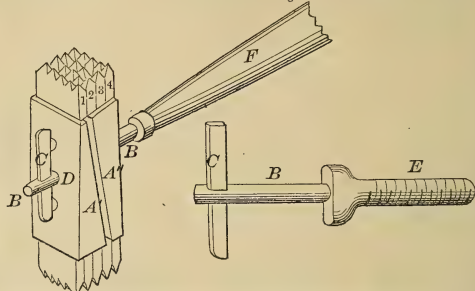
54254—T. J. Powers—Priming Metallic Cartridges.



54257—G. W. Remington—Watch Key.

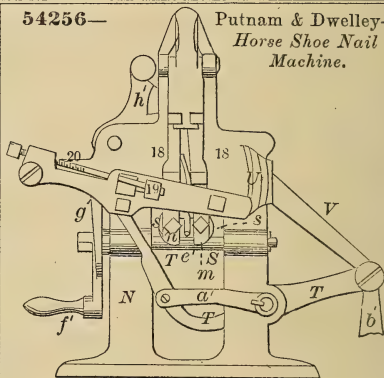


54258—L. Sauers—Furrowing Hammer.

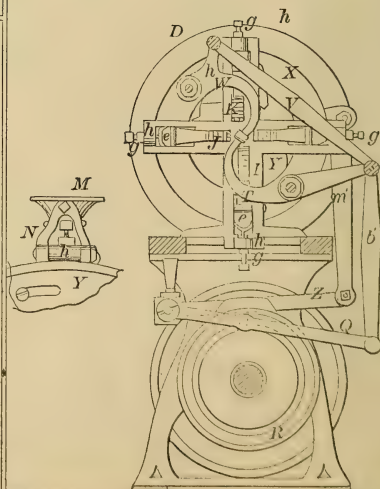
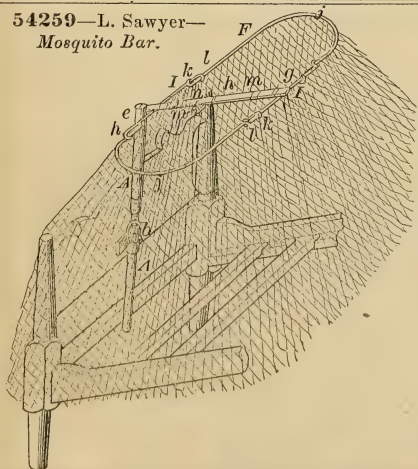


54255—T. J. Powers—Making Cartridge Cases.

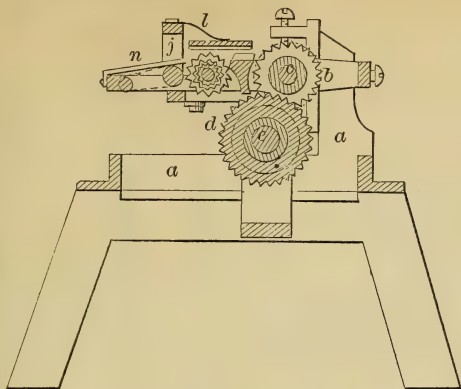
54256—Putnam &amp; Dwelley—Horse Shoe Nail Machine.



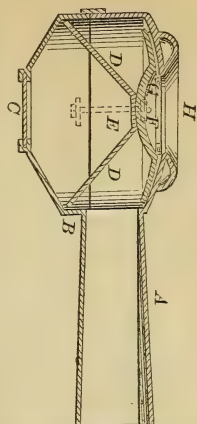
54259—L. Sawyer—Mosquito Bar.



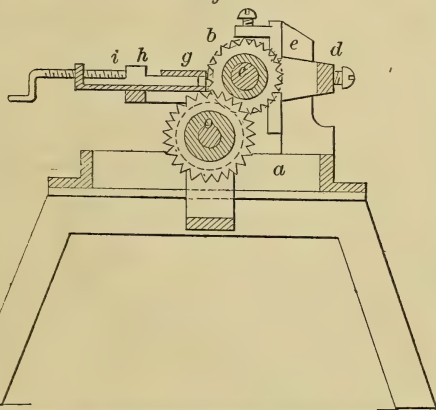
54260—T. J. Sloan—Grinding Mill.



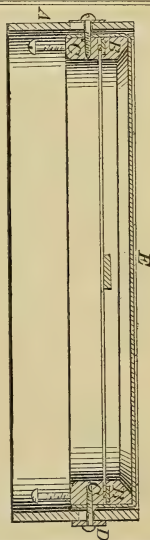
54265—J. M. White—Tugore.



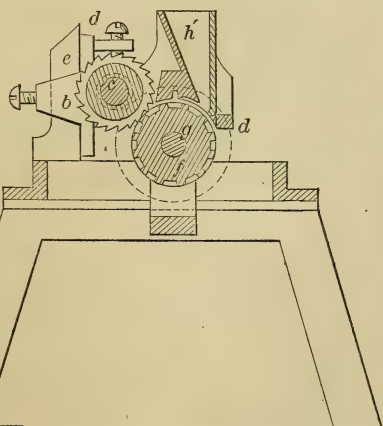
54261—T. J. Sloan—Grinding Mill.



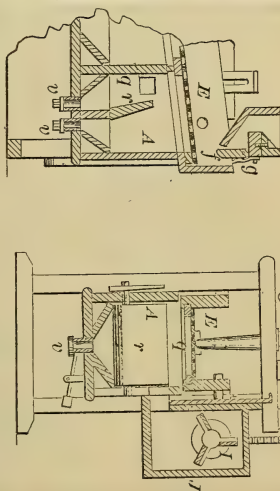
54264—W. B. Tilton—Banjo.



54262—T. J. Sloan—Grinding Mill.



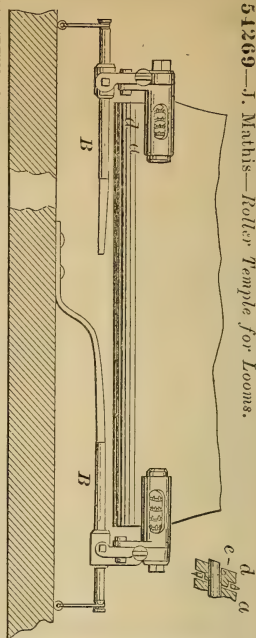
54263—C. G. & W. Stoll—Grain Separator.



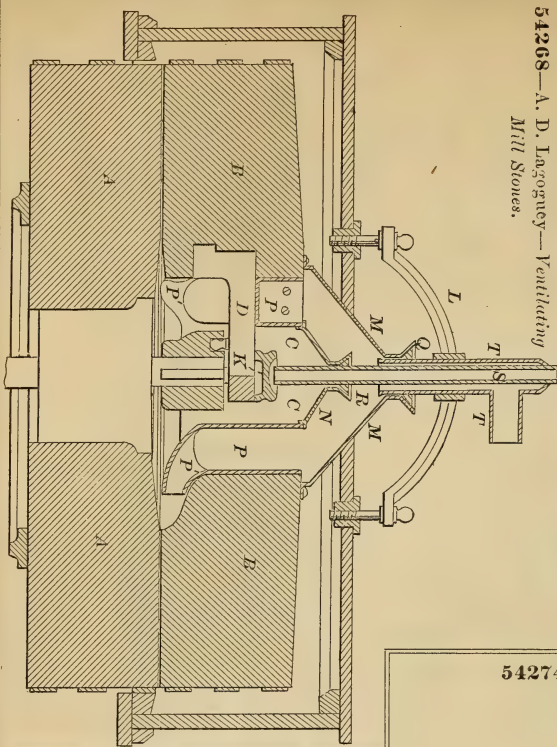
54266—C. H. Wing—Preparing Magnesium for Burning.



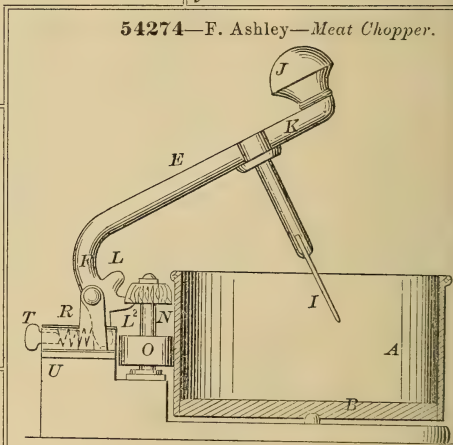
54269—J. Mathis—Roller Temple for Looms.



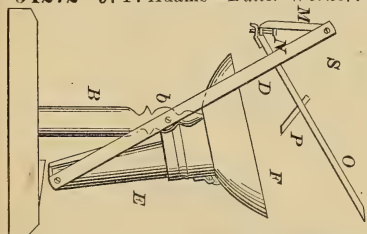
54268—A. D. Lagogney—Ventilating Mill Stones.



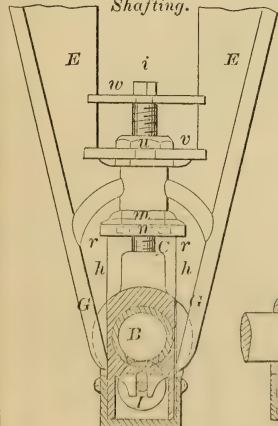
54274—F. Ashley—Meat Chopper.



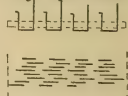
54272—J. P. Adams—Butter Worker.



54275—J. E. Atwood—Hanger for Shafting.



54270—Turner, Shore &amp; Halliwell—Card for Carding Machines.

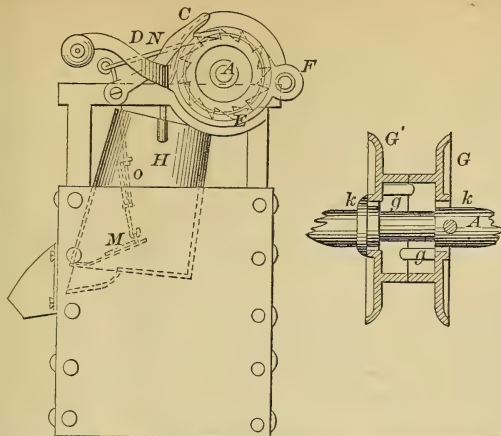


54273—H. C. Ammidown—Joint of Spectacle Bows.

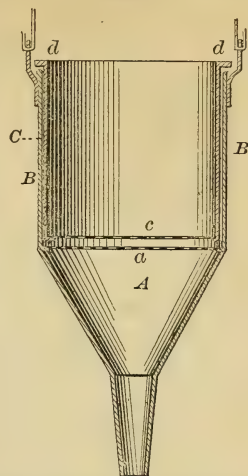




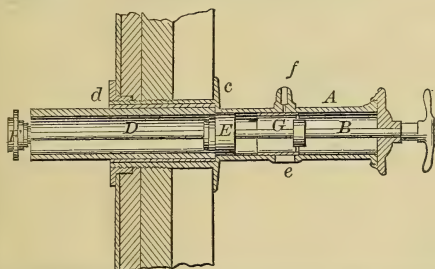
54276—S. L. Avery—*Water Elevator.*



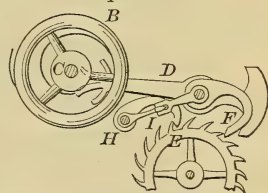
54279—A. Bare—*Sorghum Funnel.*



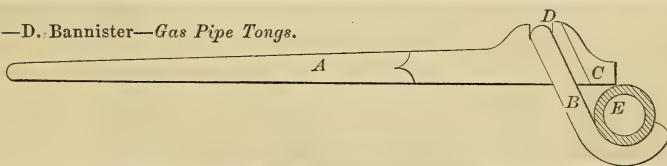
54282—E. Bigelow—*Measuring Faucet.*



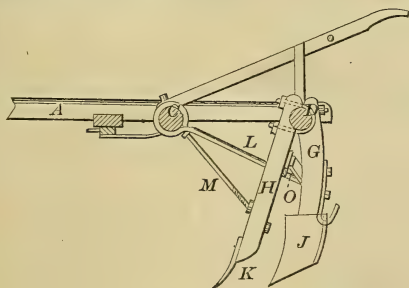
54277—B. Bacon—*Clock Escapement.*



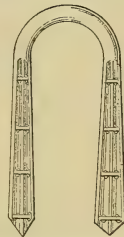
54278—D. Bannister—*Gas Pipe Tongs.*



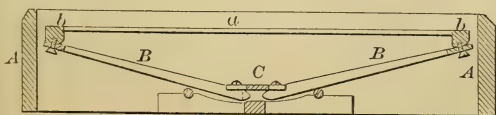
54280—H. Barnes—*Cultivator.*



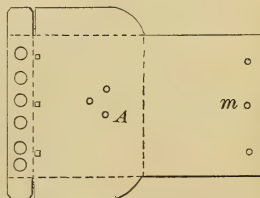
54283—B. Boardman—*Staple.*

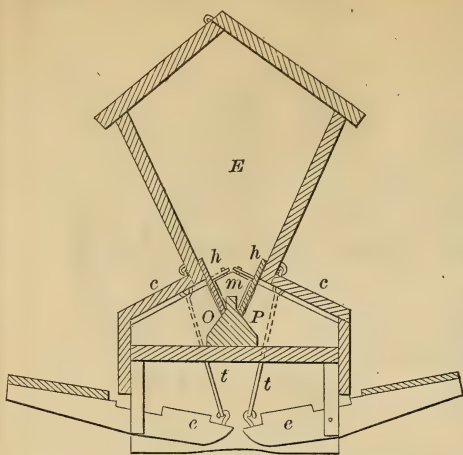
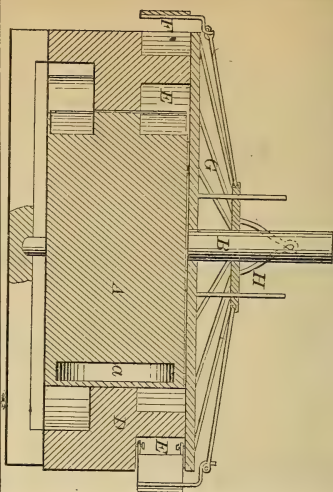
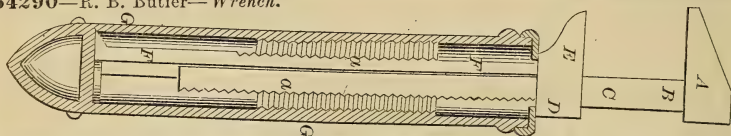
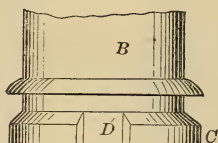
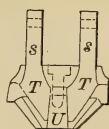
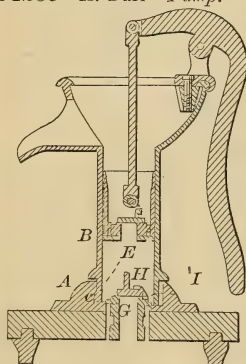
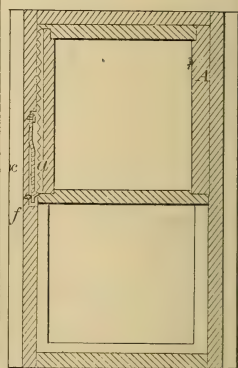
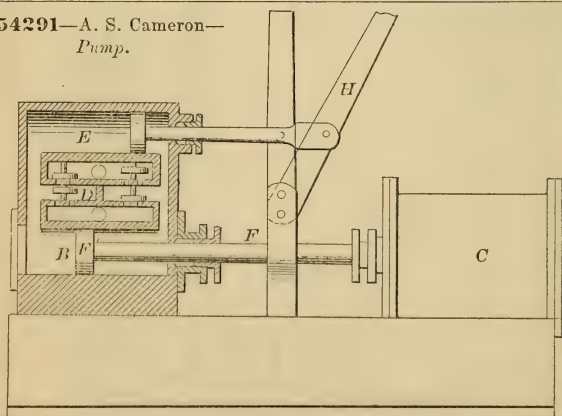
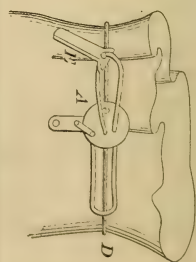


54281—S. W. Beach—*Bed Bottom.*

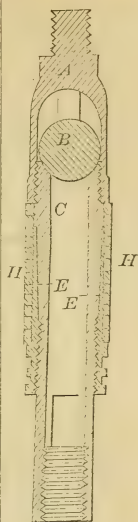


54284—J. Boggs—*Brush.*



54285—G. W. Boynton—*Sheep Rack.*54288—H. Brown—*Water Wheel.*54290—R. B. Butler—*Wrench.*54289—A. Burr—*Pump.*54286—B. Bray—*Sash Fastener.*54291—A. S. Cameron—*Pump.*54287—W. P. Brooks—*Bug Fastener.*

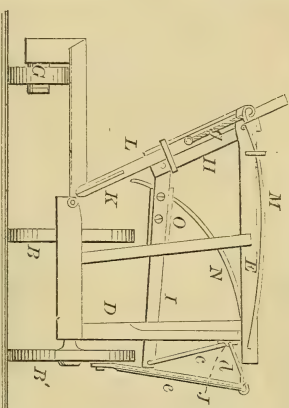
54295—J. Carter—Packing for Pump Pistons.



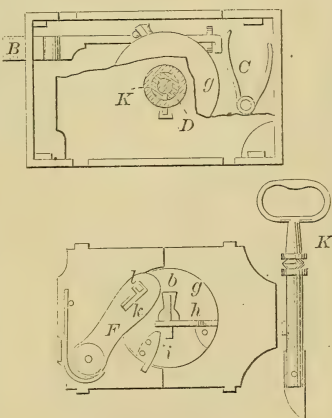
54300—R. Cornelius—Pump for Deep Wells.



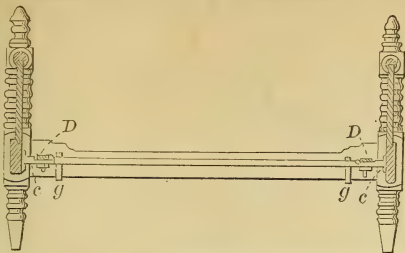
54294—C. J. Carter—Harvester Rake.



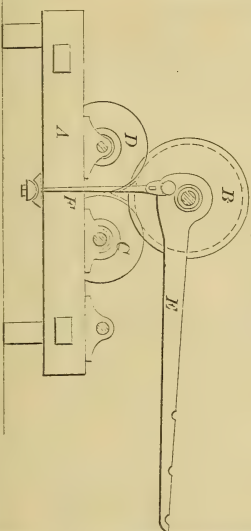
54297—C. Claude—Lock.



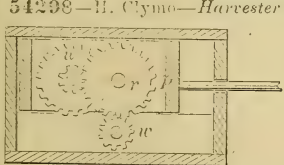
54292—S. A. Canfield—Bed Bottom.



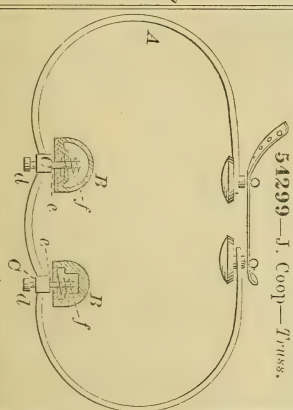
54293—N. B. Carr—Sugar Cane Mill.



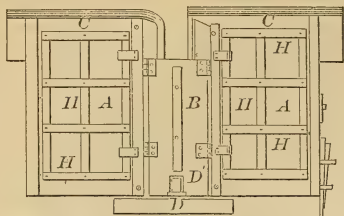
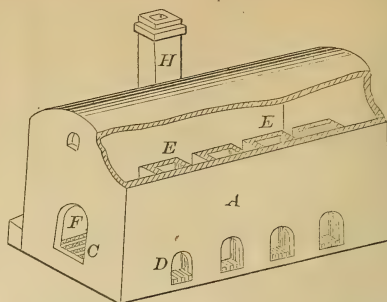
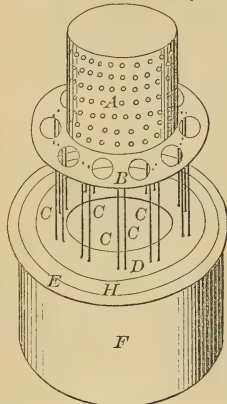
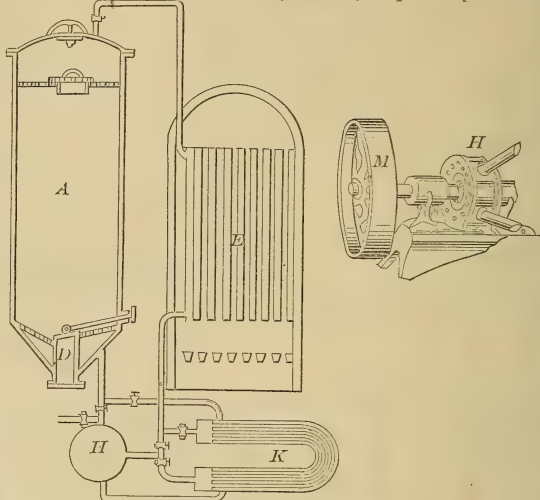
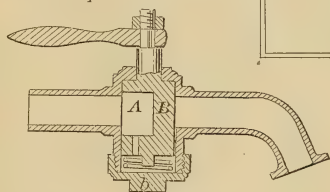
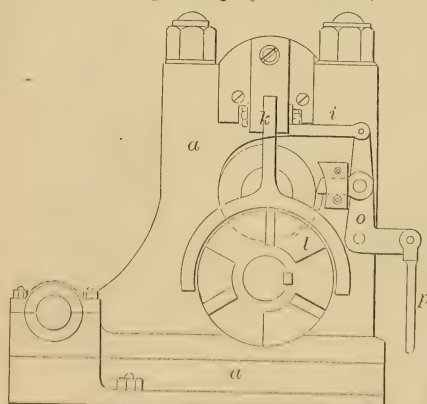
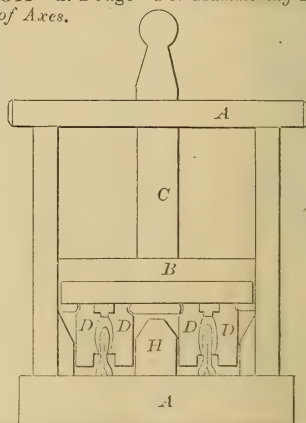
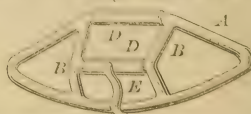
54298—H. Clymo—Harvester Rake.



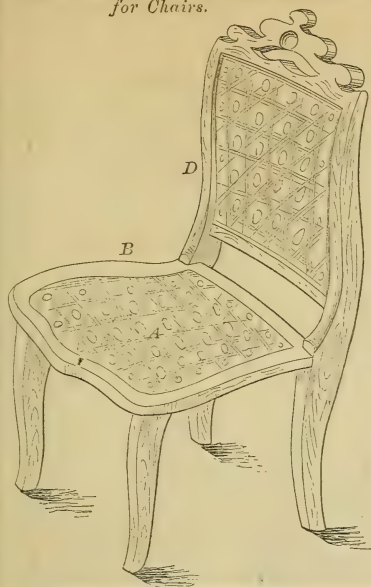
54299—J. Coop—Truss.



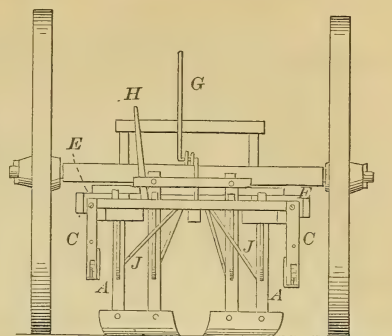


54302—J. S. Davis—*Grape Vine Protector.*54307—J. B. Dixon—*Tile Kiln.*54306—J. Dietschy—*Water and Wine Cooler.*45308—J. W. Dixon—*Manufacture of Paper Pulp.*54305—W. H. De Valin—*Stop Cock.*54310—J. Dodge—*Shaping File Blanks, &c.*45311—L. Dodge—*For Hammering Heads of Axes.*54313—A. R. Egbert—*Buckle.*

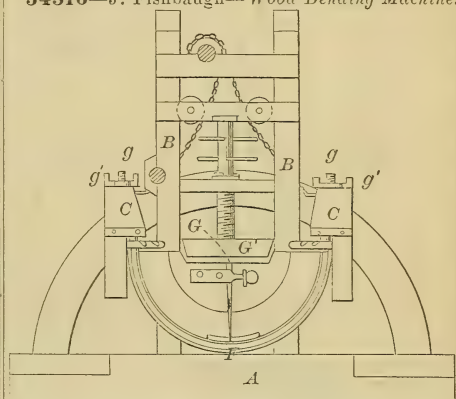
54314—W. S. Farmer—*Seat and Back for Chairs.*



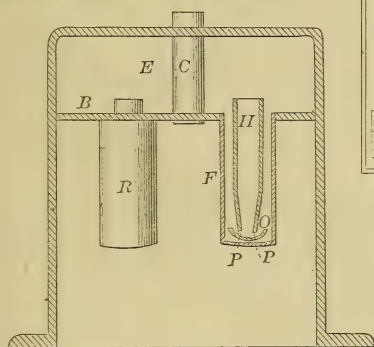
54317—W. D. Fisher—*Cultivator.*



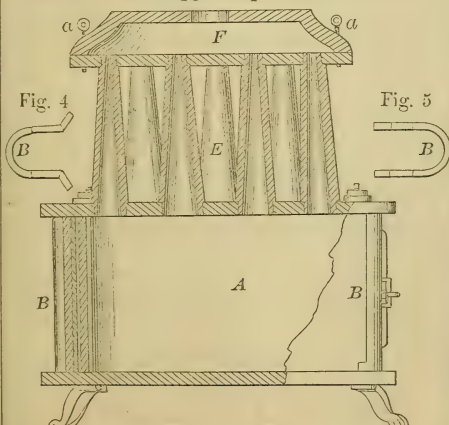
54316—J. Fishbaugh—*Wood Bending Machine.*



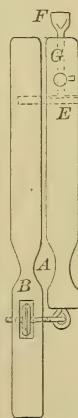
54318—B. Fitts—*Boiler Tube.*



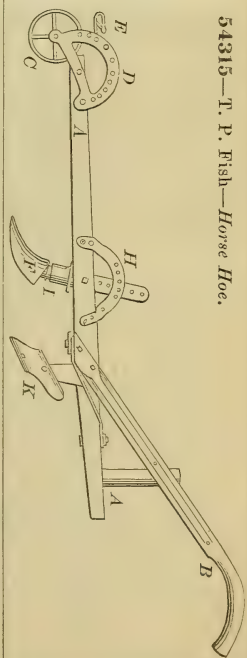
54319—J. H. Flagg—*Soap Stone Stove.*



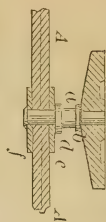
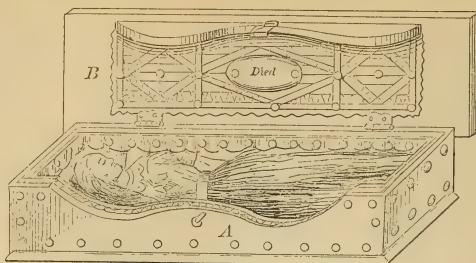
54320—J. W. Ford—*Newspaper File.*



54315—T. P. Fish—*Horse Hoe.*

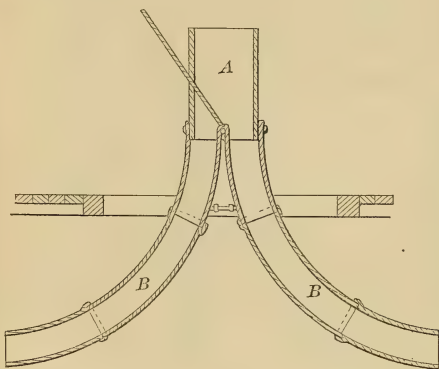


54321—J. A. Fogg—Burial Casket.

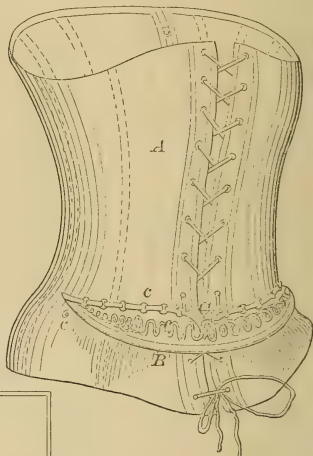


54324—C. A. French, 2d—Button.

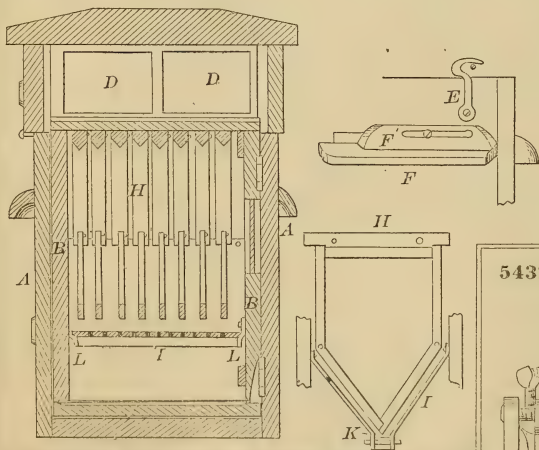
54322—A. D. Foote—Grain Spout.



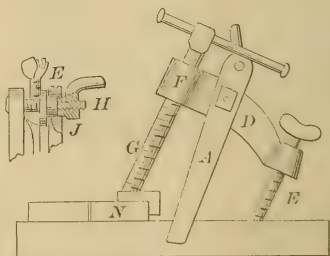
54323—L. H. Foy—Combined Corset and Bustle.



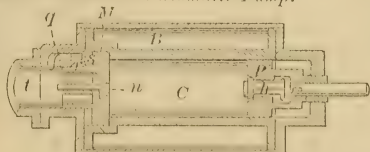
54325—A. Fuller—Beehive.



54327—W. Glenn—Planking Clamp.



54328—H. Gottfried—Pneumatic Pump.





**54329**—J. Gower—*Roll for Manufacturing Railroad Rails.*

Fig. 1

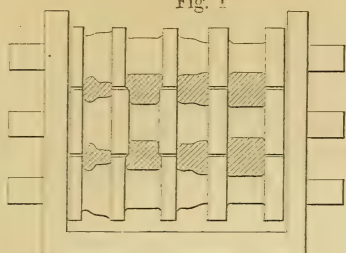
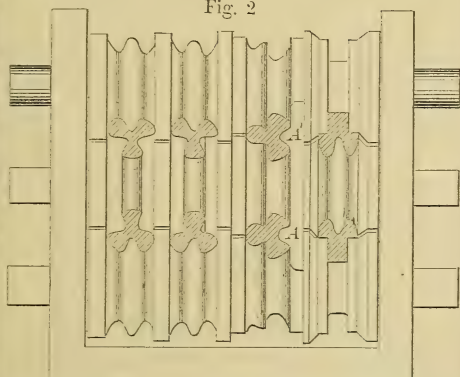
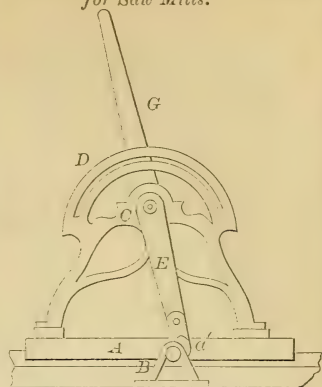


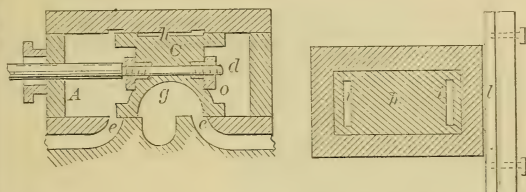
Fig. 2



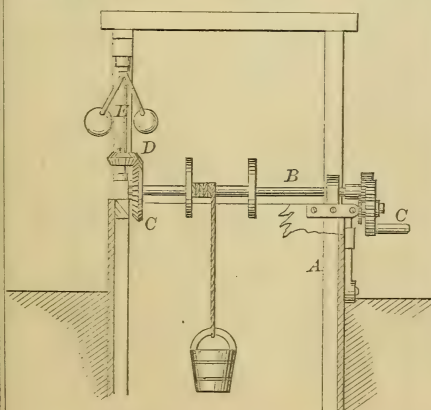
**54330**—H. H. Gridley—*Head Block for Saw Mills.*



**54331**—J. R. Grout—*Balanced Slide Valve.*

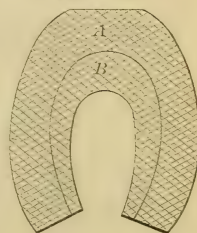


**54334**—C. Gullmann—*Well Curb.*

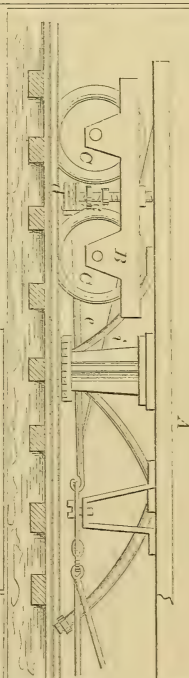


**54332**—S. B. Guernsey—*Broom Head.*

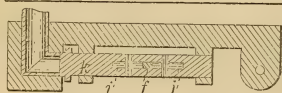
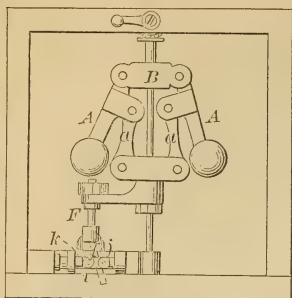
**54335**—W. H. Hall—*Elastic Cushion for Horses' Feet.*



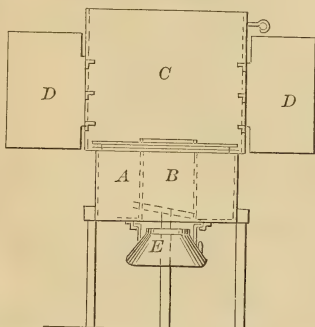
**54333**—S. Gilbert—*Cow Brake.*



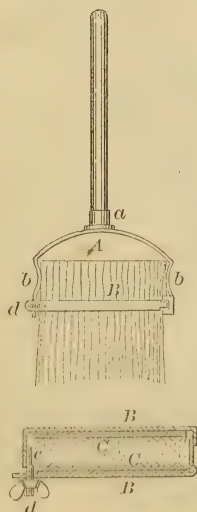
**54336**—W. J. Hallefas—*Engine Governor.*



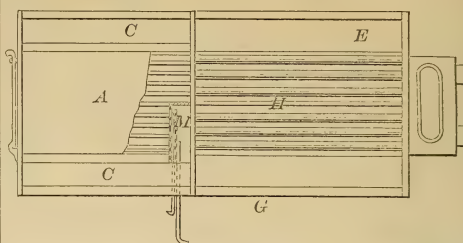
**54337**—C. A. Harper—*Portable Cooking Apparatus.*



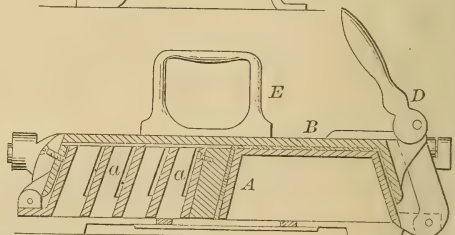
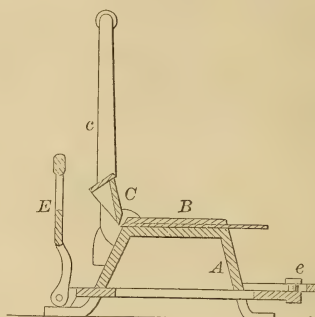
**54338**—J. Harris—*Broom Head.*



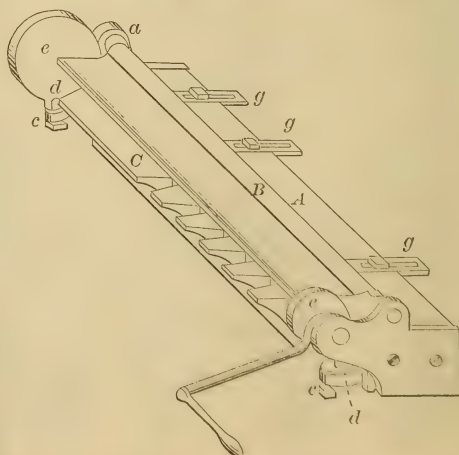
**54340**—B. R. Hawley—*Evaporator.*



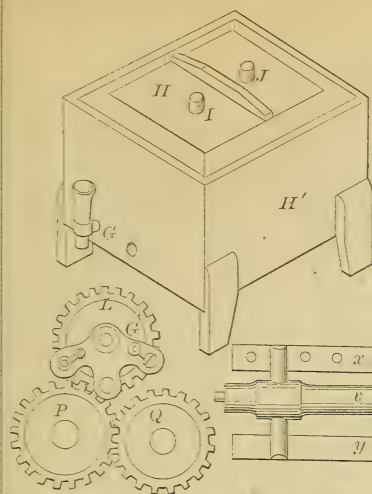
**54341**—W. H. Henderson—*Tinman's Forming Tool.*



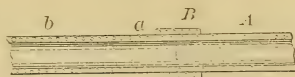
**54342**—W. H. Henderson—*Tinman's Edging Tool.*



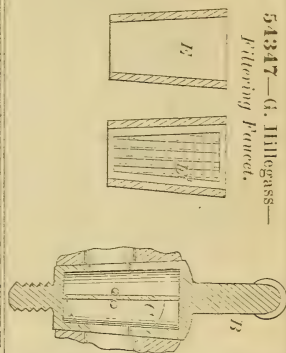
54343—S. Hewit—*Churn.*



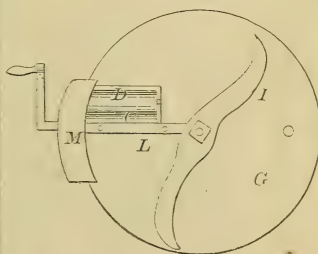
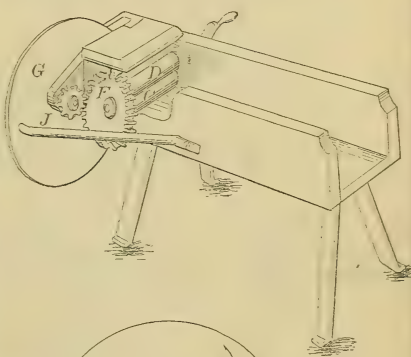
54346—E. H. Hill—*Steam, Water or other Pipe.*



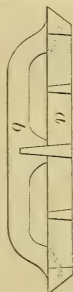
54347—G. Hillegass—*Filtering Funnel.*



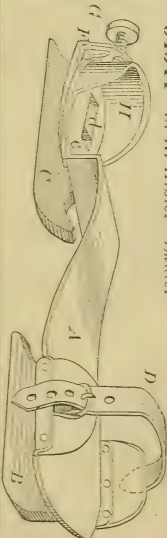
54351—L. B. Hoyt—*Straw Cutter.*



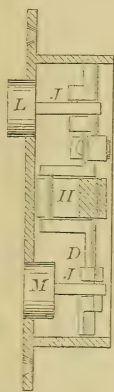
54349—D. Houston—*Grate Bar.*



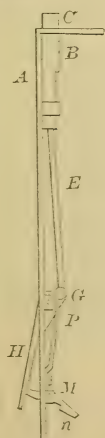
54344—R. H. Hibler—*Skate.*



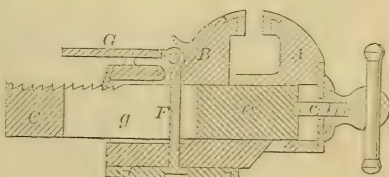
54348—J. M. Hopkins—*Bolt Fastening.*



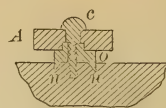
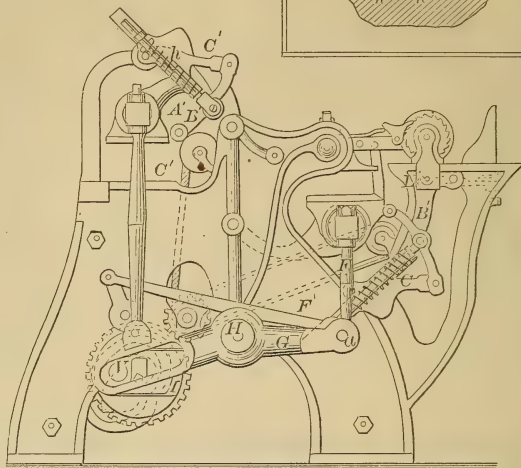
54350—J. M. Hopkins—*Flush Bolt.*



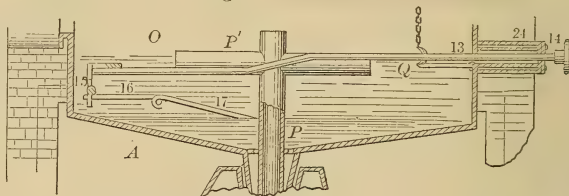
54352—H. P. Hood—*Bench Vise.*



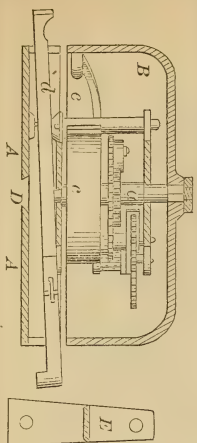
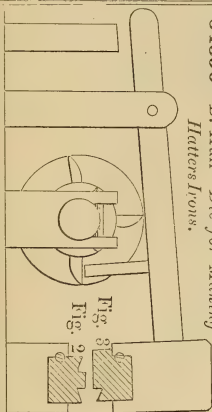


54354—J. Hopkins—Sash  
Supporter and Fastener.54357—M. G. Imbach—  
Printing Press.

54358—W. G. W. Jaeger—For Continuous Distillation.



54353—E. Hoole—Bicycle Alarm.

54356—B. Hull—Die for Making  
Hatters Irons.

54355—D. Hull—For Washing Woolin, &amp;c.

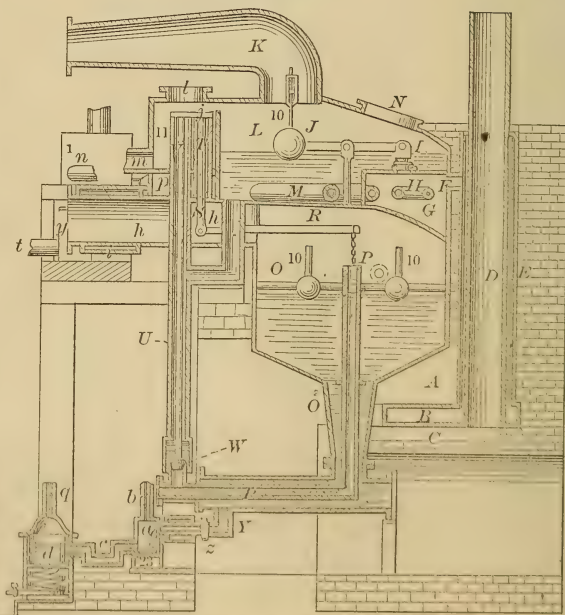
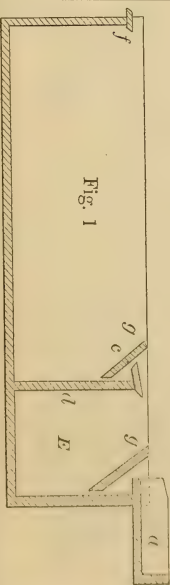
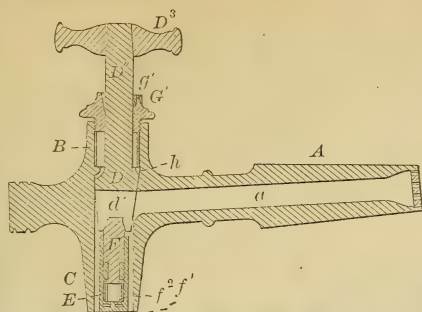


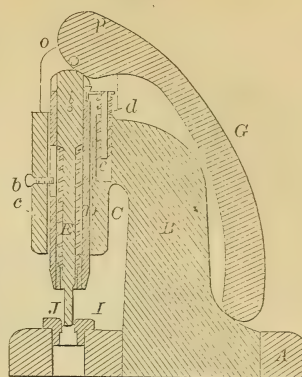
FIG. 1



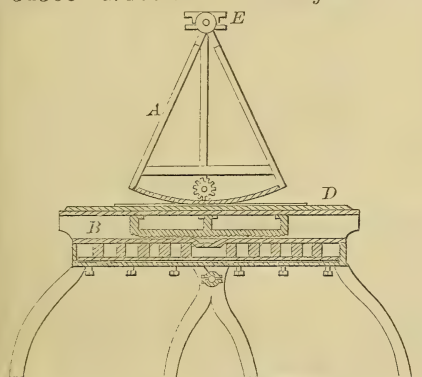
54359—J. Jahraus—Beer Faucet.



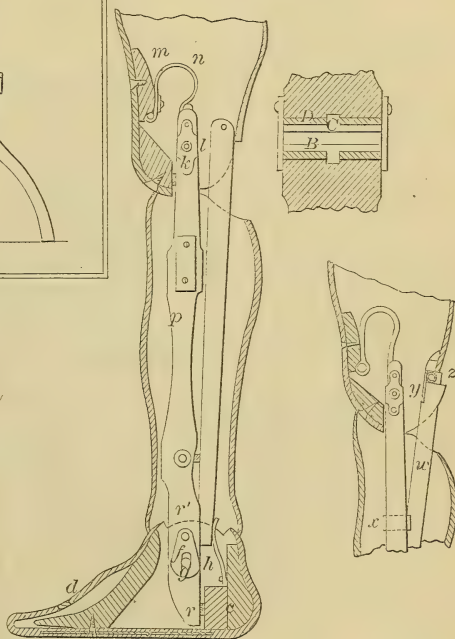
54362—J. Keith—For Forming Pen Holder Springs.



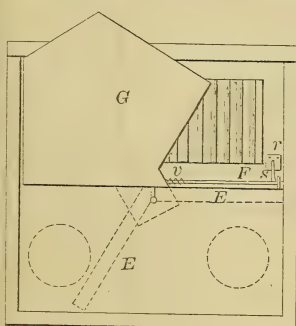
54360—G. R. Johnson—Graining Morocco.



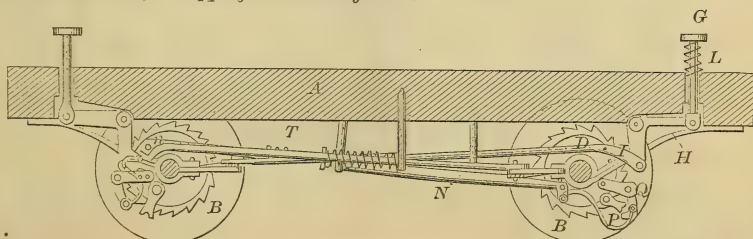
54364—Kimball & Lawrence—Artificial Leg.

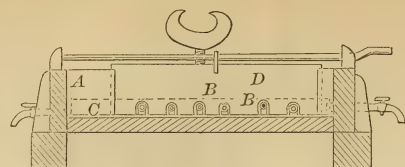
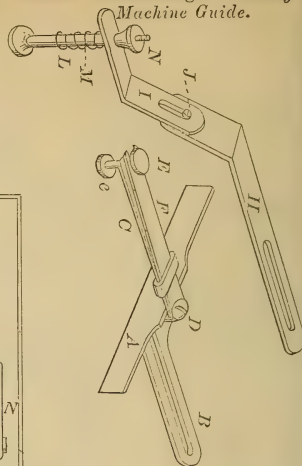
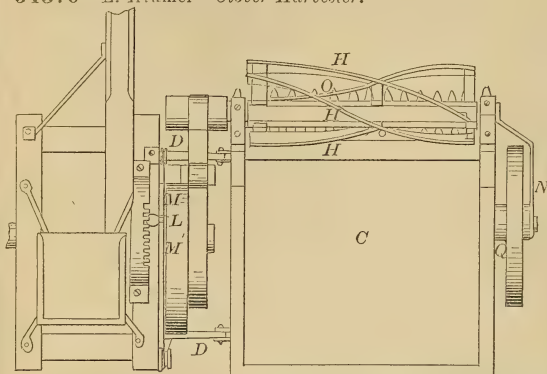
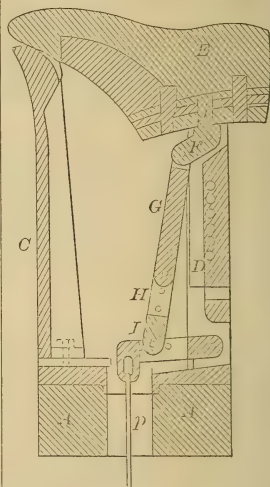
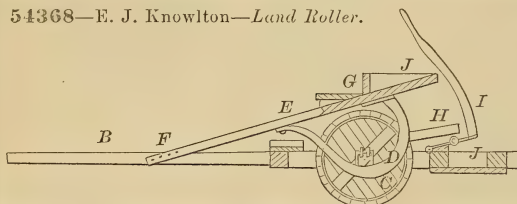
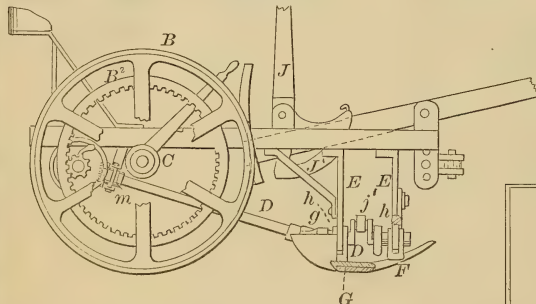
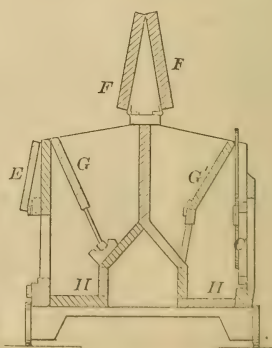


54361—S. F. Jones—Animal Trap.



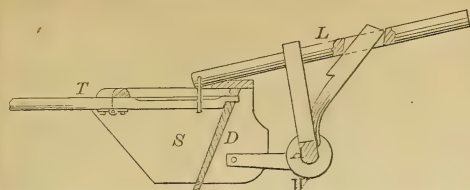
54363—J. E. Kelsey—Stopping and Starting Cars.



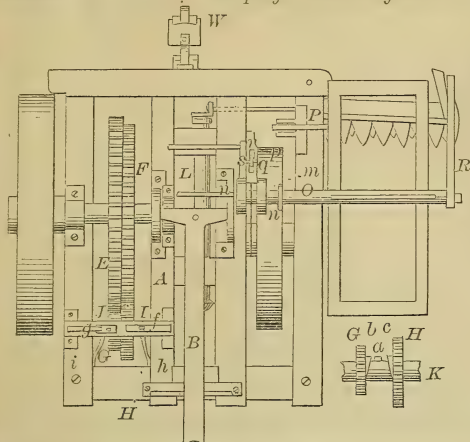
54366—T. T. Kneeland—*Sorghum Evaporator.*54367—E. H. Knight—*Sewing Machine Guide.*54370—E. Kramer—*Clover Harvester.*54369—G. A. Knowlton—*Pegging Jack.*54368—E. J. Knowlton—*Land Roller.*54372—E. M. Krum—*Harvester.*54371—S. Lahm—*Sheep Rack.*



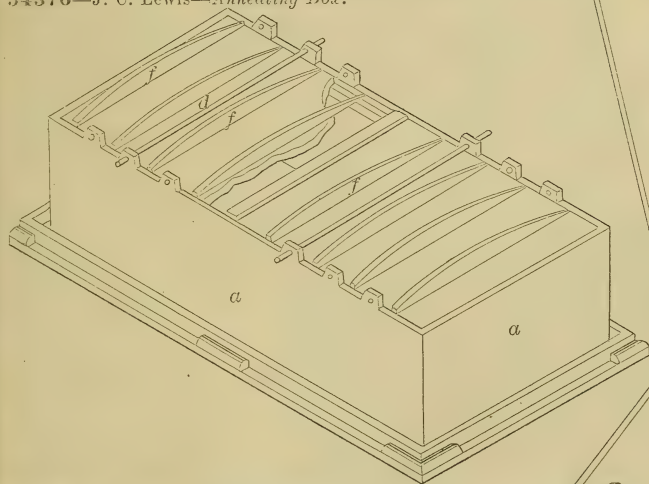
54373—S. W. Langdon—Barn Yard Scraper.



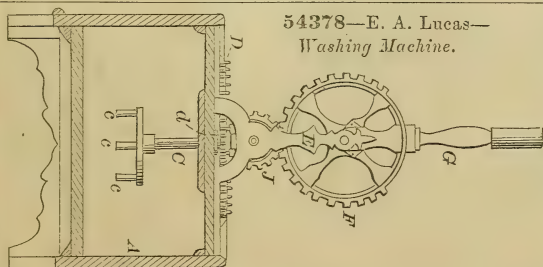
54374—H. R. Lavey—Reaping and Mowing Machine.



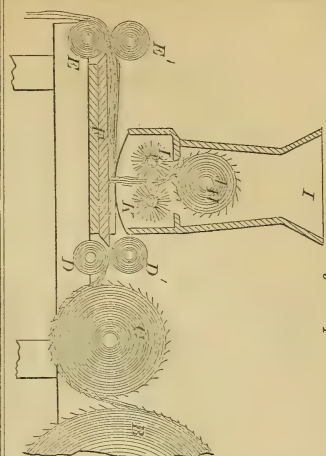
54376—J. C. Lewis—Annealing Box.



54378—E. A. Lucas—Washing Machine.



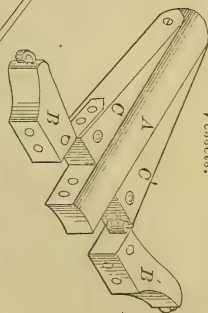
54375—J. Leinweber—Treating Hemp or Flax Waste.

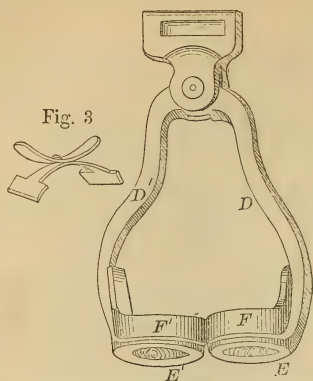
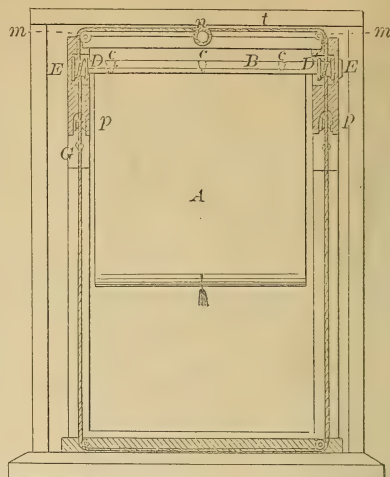
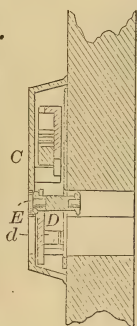
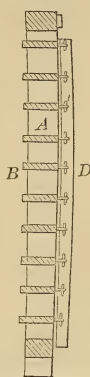
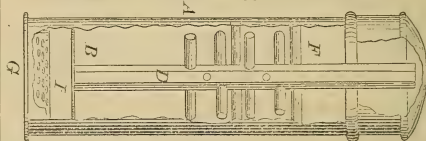
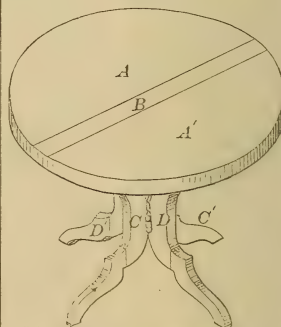
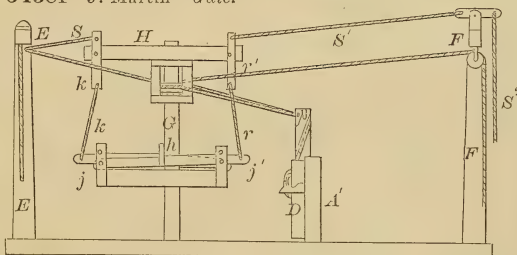
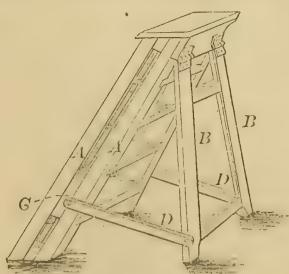
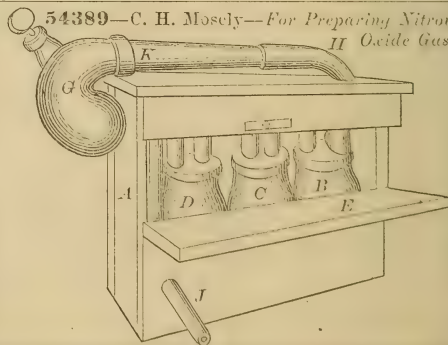


54377—W. J. Lewis—Die for Making T-Head Bolts.

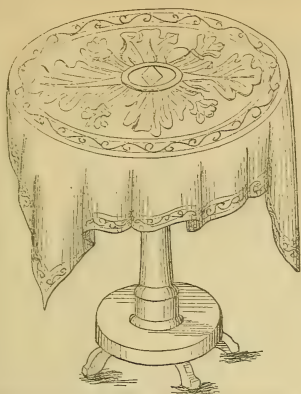


54379—A. Manning—Jaw for Booms of Vessels.

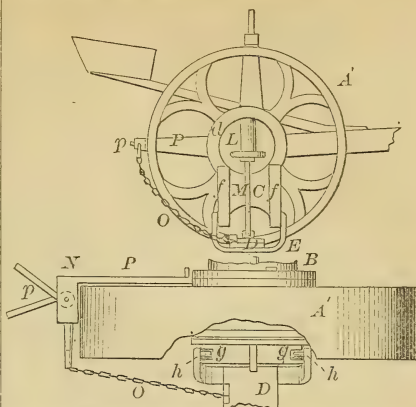


54380—F. N. Martin—*Stirrup*.54384—E. Mentz—*Curtain Fixture*.54383—W. C. McGill—*Lock*.54385—S. W. Merrill—*Window Blind*.54388—S. C. Moore—*Egg Beater, &c.*54386—F. Mohr—*Folding Table*.54381—J. Martin—*Gate*.54387—A. Moore, Jr.—*Step Ladder*.54389—C. H. Mosely—*For Preparing Nitrous II Oxide Gas*.

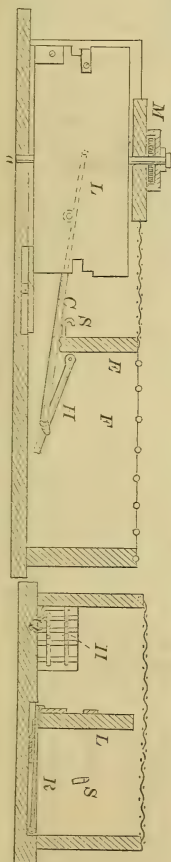
54390—A. L. Munson—*Table Cover.*



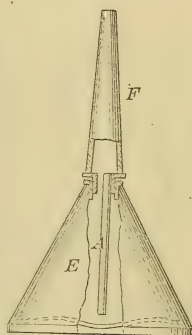
54396—A. Palmer—*Harvester.*



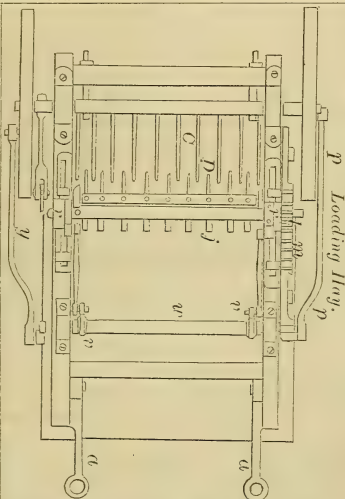
54393—W. H. Newby—*Animal Trap.*



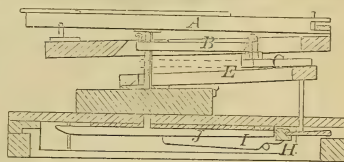
54394—L. H. Olmsted—*Oiler.*



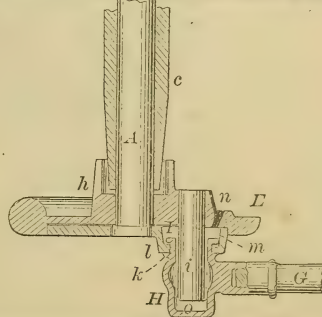
54392—Nevergold & Stockhouse—*For Raking and Loading Hay.*



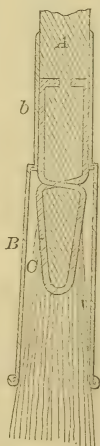
54395—I. T. Packard—*Reed Musical Instrument.*



54397—A. Palmer—*Harvester Crank Motion.*

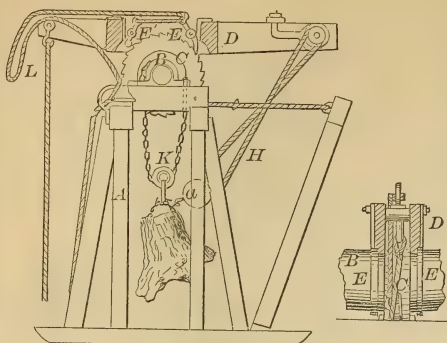


54391—G. R. Nebinger—*Broom Head.*

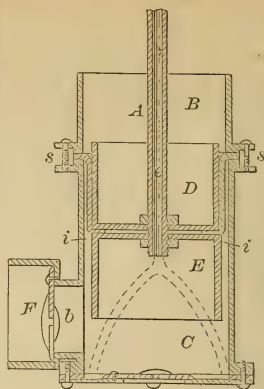




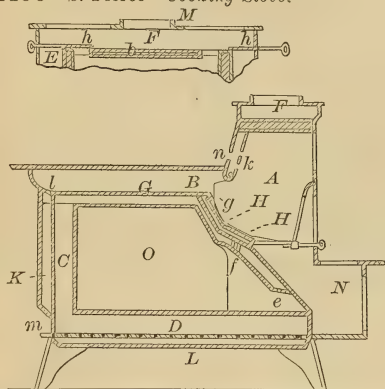
54398—N. Parrish—*Stump Extractor.*



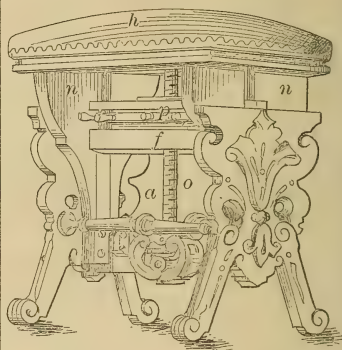
54399—J. S. Patric—*Pump.*



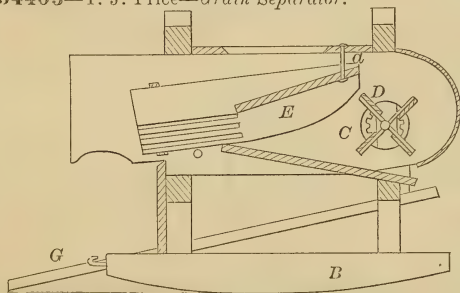
54400—S. Pierce—*Cooking Stove.*



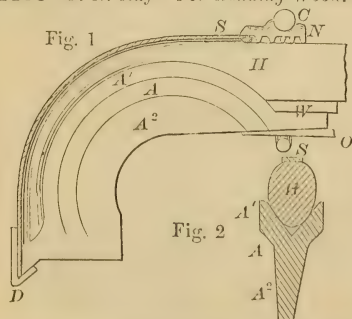
54401—Postawka & Krasiuski—  
*Piano Seat.*



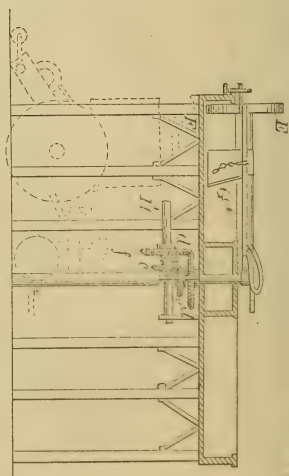
54403—T. J. Price—*Grain Separator.*



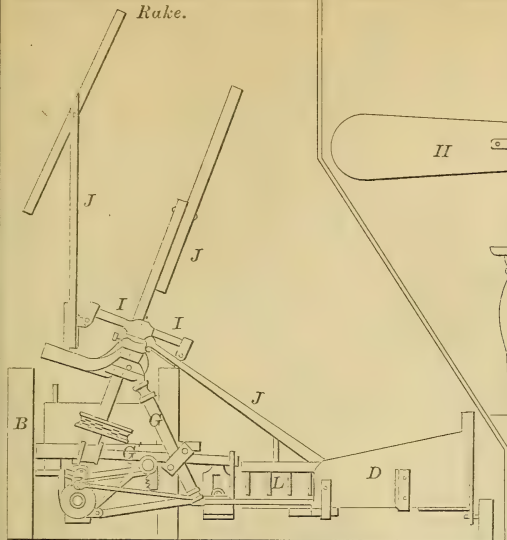
54405—J. N. Ray—*For Bending Wood.*



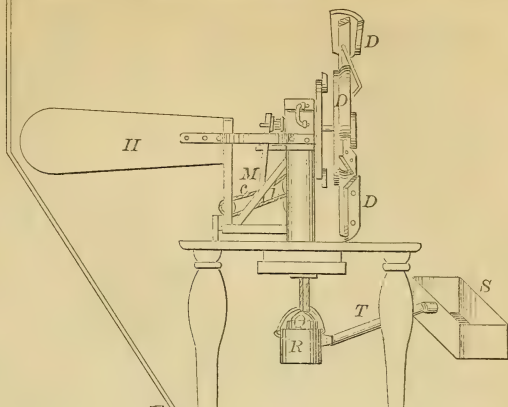
54402—N. F. Potter—*Foot Machine.*



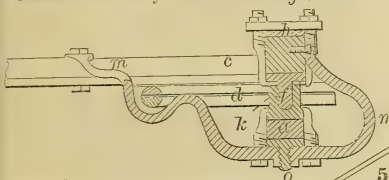
54406—A. R. Reese—*Harvester Rake.*



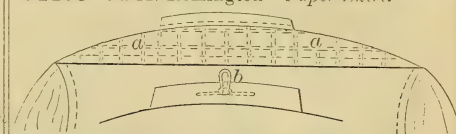
54407—L. Reese—*Wind Mill.*



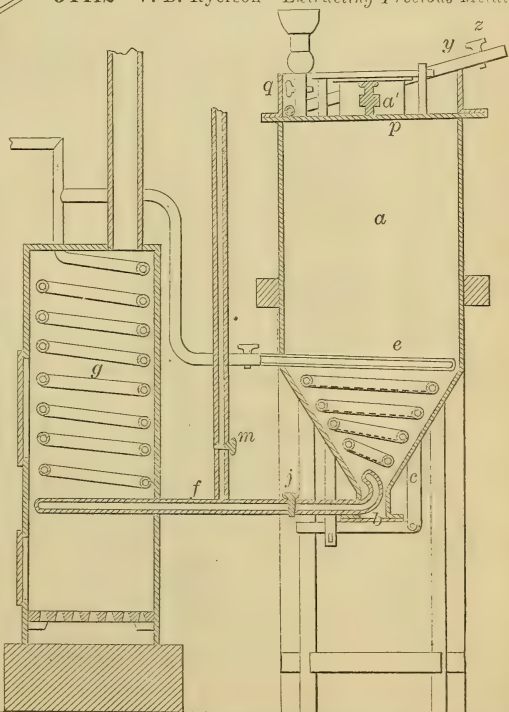
54410—M. Reynolds—*Carriage.*



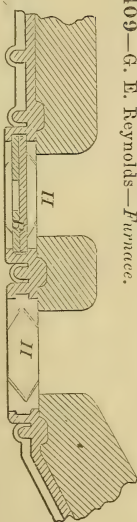
54408—H. M. Remington—*Paper Shirt.*



54412—V. B. Ryerson—*Extracting Precious Metals.*



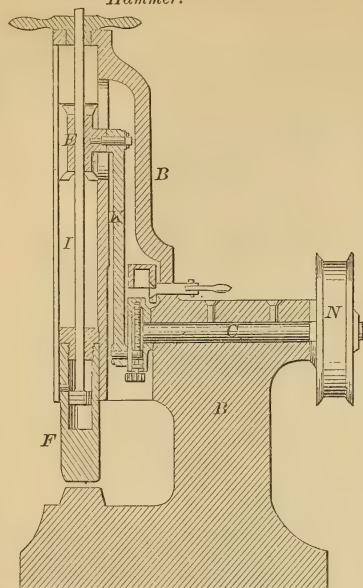
54409—G. E. Reynolds—*Furnace.*



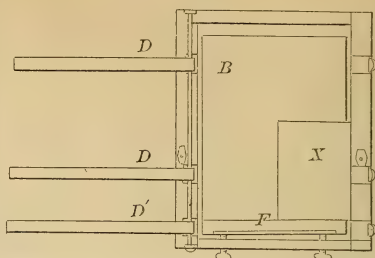
54411—C. E. Richards—*Elastic Chain.*



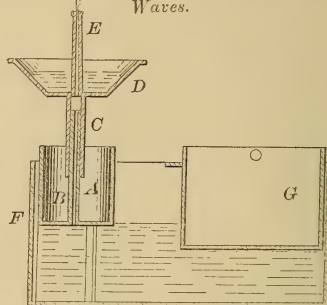
**54413**—J. Robertson—*Atmospheric Hammer.*



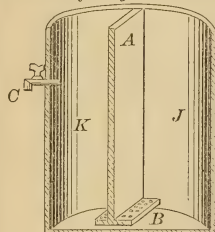
**54416**—T. E. Sexton—*Printing Photographic Pictures.*



**54418**—A. N. Shattuck—*For Raising Water by Waves.*



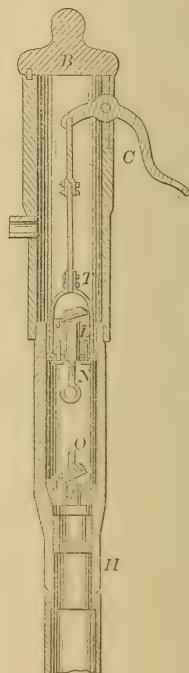
**54414**—W. H. Sangster—*For Refining Petroleum.*



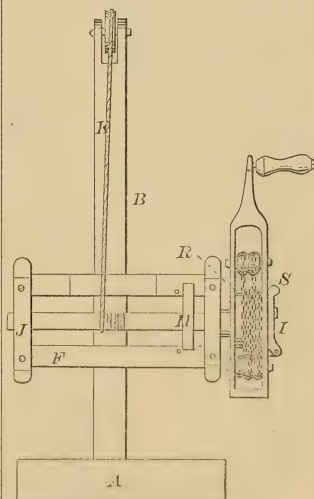
**54415**—H. B. Scofield—*Grate Bar.*



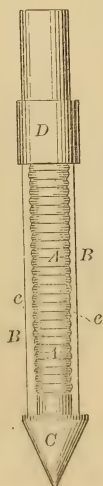
**54420**—J. W. Sheaffer—*Pump.*



**54419**—H. F. Shaw—*Lifting Apparatus.*

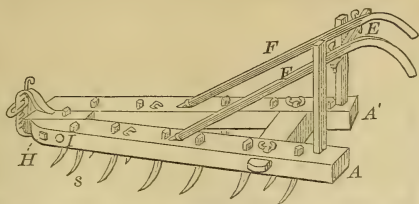


**54417**—W. A. Sharpe—*Filter for Well Tubes.*

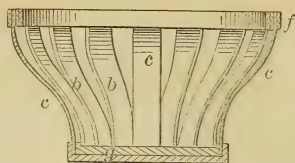
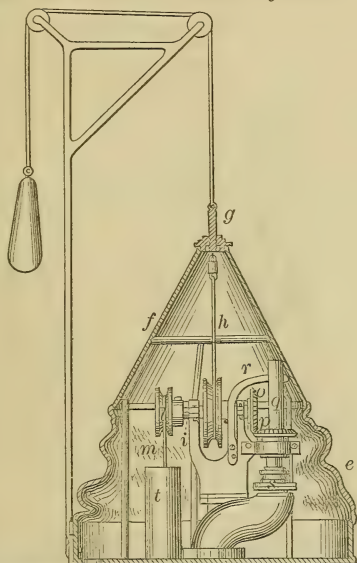




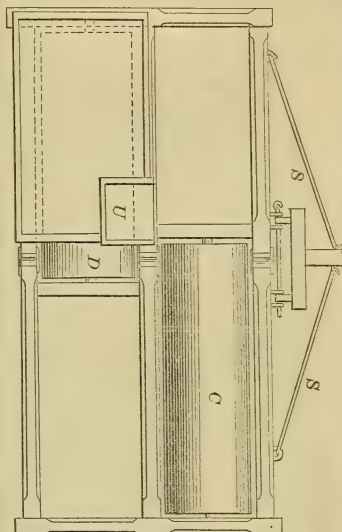
54421—A. H. Sheffer—*Harrow and Cultivator.*



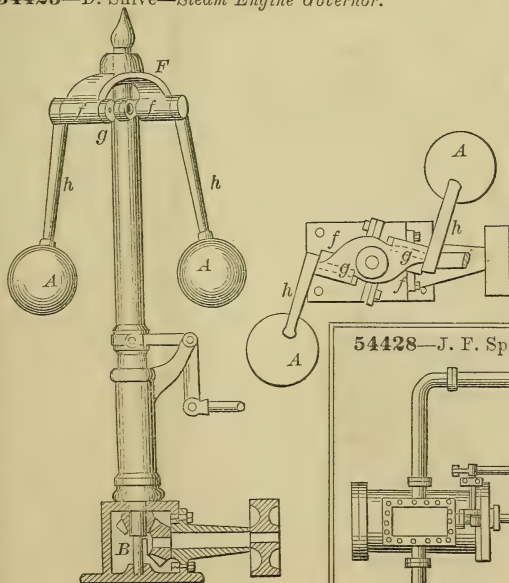
54422—P. B. Sheldon—*Fruit Basket.*

54424—W. A. Simonds—*Fluid Regulator.*

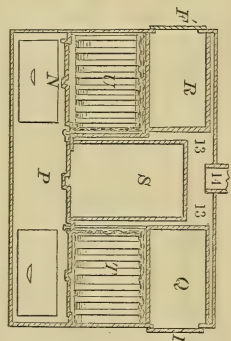
54425—A. S. Skiff—Lund Roller.



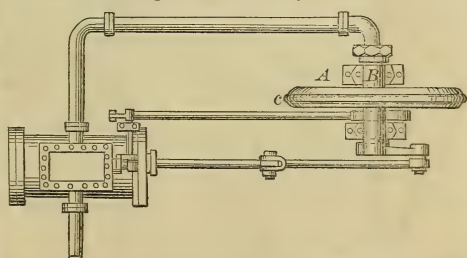
54423—D. Shive—*Steam Engine Governor.*



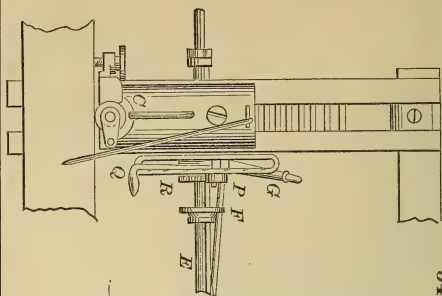
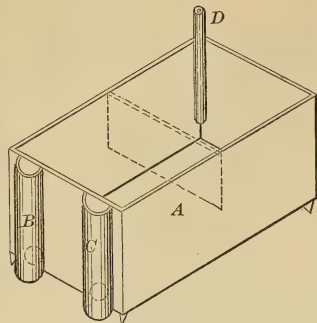
54427—0. Smith—Cooking Range.



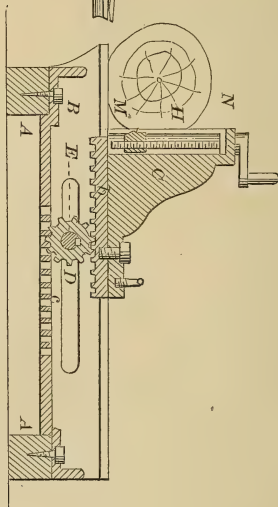
54428—J. F. Spence—*Revolving Condenser.*



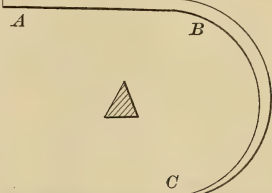
**54429**—A. B. Sprout—*For Tempering Cast Steel.*



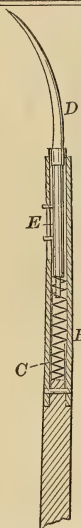
**54432**—J. M. & S. F. Stanton—*Head Block to Saw Mills.*



**54430**—A. B. Sprout—*Horse Rake Teeth.*



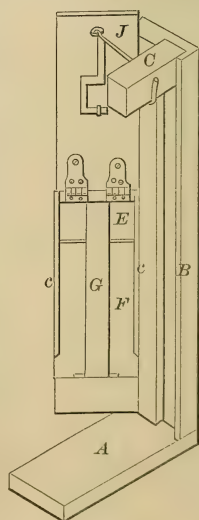
**54435**—J. B. Stewart—*Hay Fork.*



**54434**—Stevens & Fay—*Curtain Fixture.*



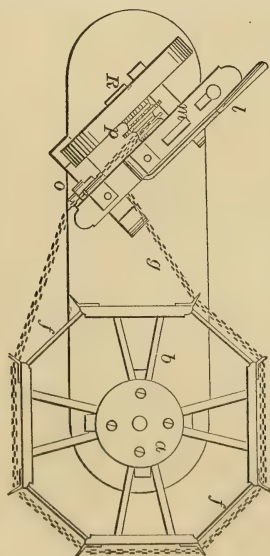
**54436**—J. C. Stoddard—*Deflector for Car Windows.*



**54431**—A. B. Sprout—*Horse Hay Fork.*



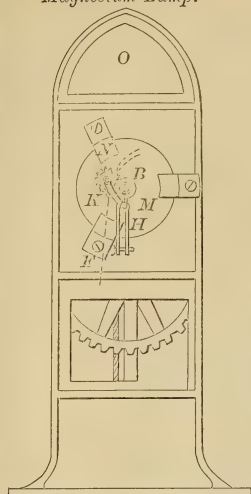
**54433**—N. Stary, Jr.—*Horse Power.*



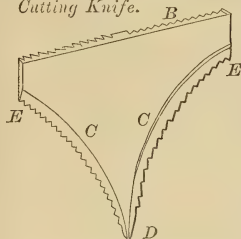




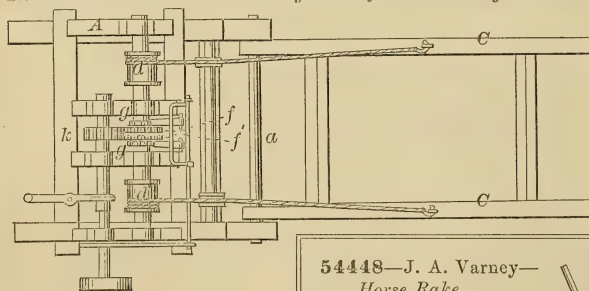
54442—R. H. Thurston—  
Magnesium Lamp.



54446—G. Utley—Straw  
Cutting Knife. B



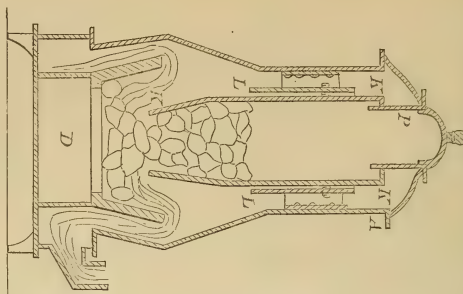
54449—G. Vedder—For Elevating Straw from Threshing Machines.



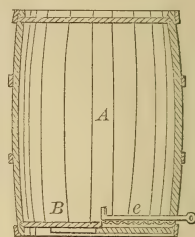
54450—E. Waite—Card for  
Carding Machines.



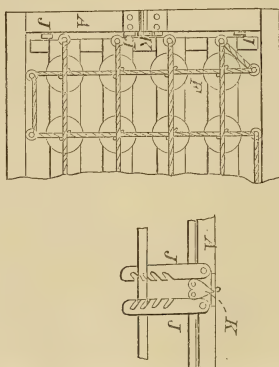
54447—Van Wormer & McFarvey—  
Base Burning Stove.



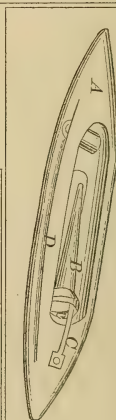
54444—W. H. Towers—  
Flour Barrel.



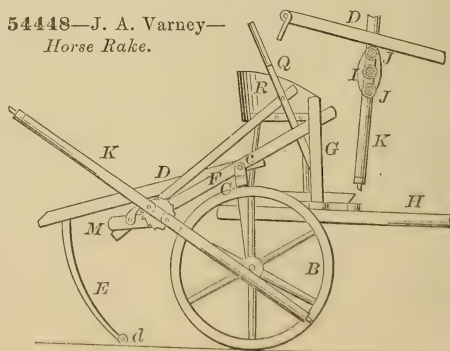
54443—L. L. Tingley—Spring Bed Bottom.



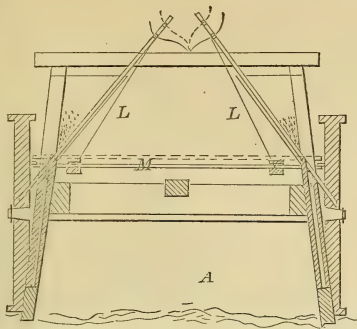
54445—C. Unverzagt—Shuttle and Bobbin  
for Looms.



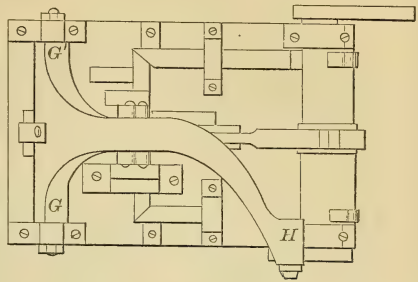
54448—J. A. Varney—  
Horse Rake.



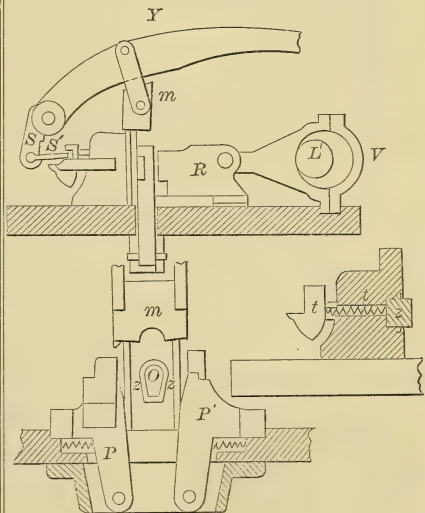
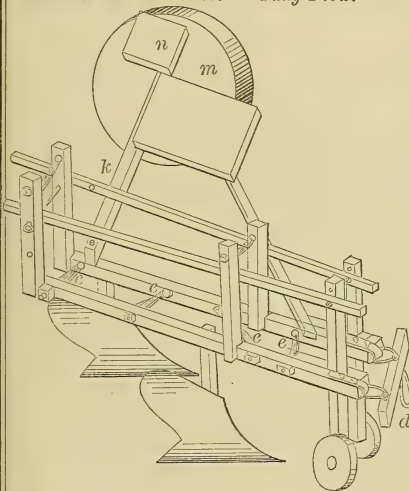
54451—E. M. Walker—*Corn Planter.*



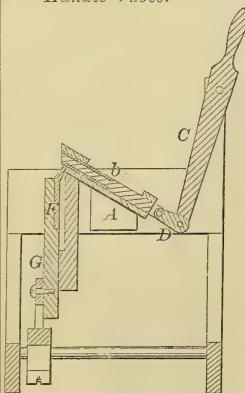
54452—W. Wallick—*Horse Shoe Machine.*



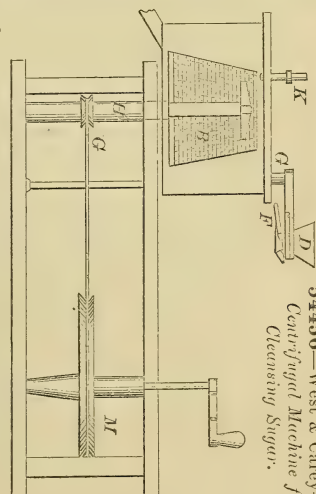
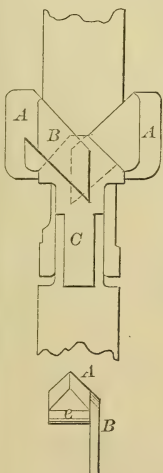
54453—W. M. Watson—*Gang Plow.*



54455—S. Wesson—*For Finishing the Ends of Pen Handle Tubes.*

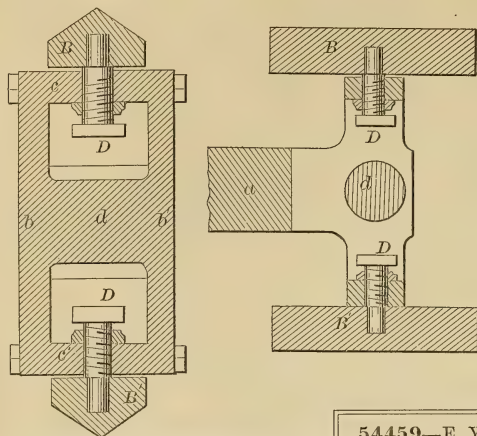


54454—C. H. Webb—*Rock Drill.*

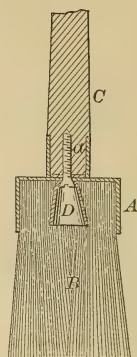


54456—West & Carey—*Centrifugal Machine for Cleansing Sugar.*

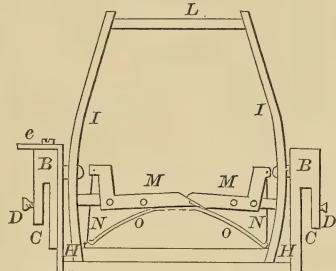
54457—J. West—Cross Head.



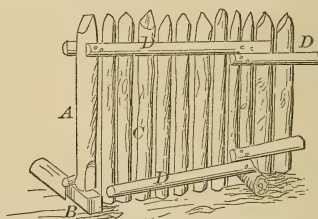
54464—L. P. Faught—Brush.



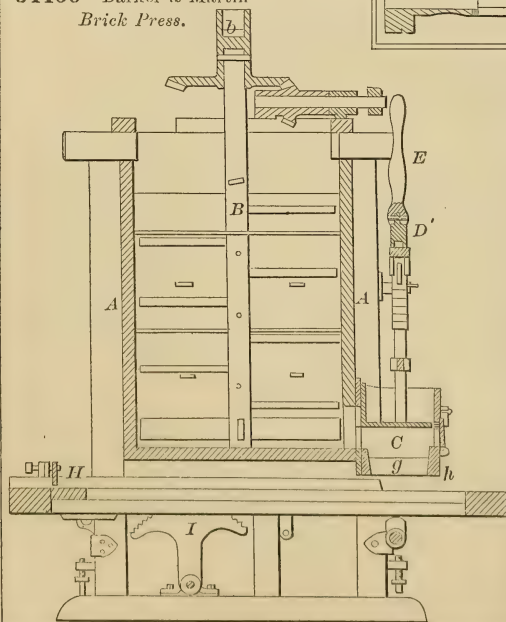
54458—A. C. Whittier—Washing Machine.



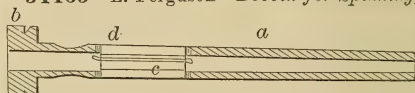
54459—E. York—Fence.



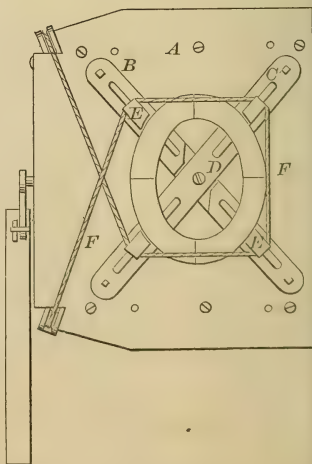
54460—Barker &amp; Martin—Brick Press.



54465—L. Ferguson—Bobbin for Spinning, &amp;c.

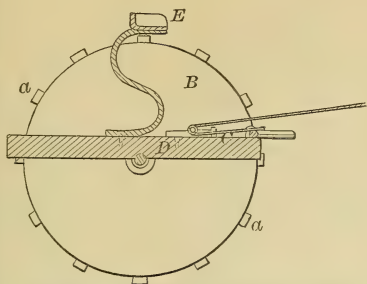


54463—J. A. H. Dunne—Picture Frame Clamp.

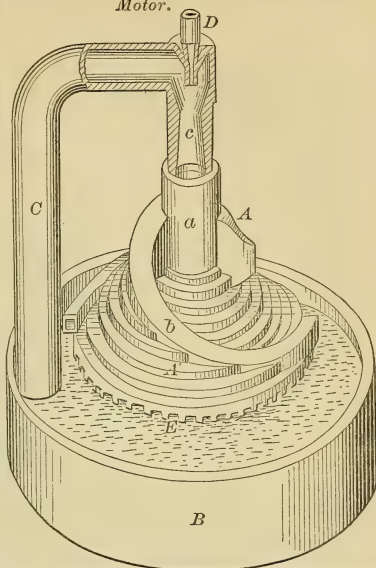




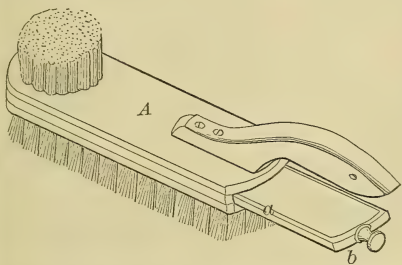
54466—B. G. Fitzhugh—*Harvester*.



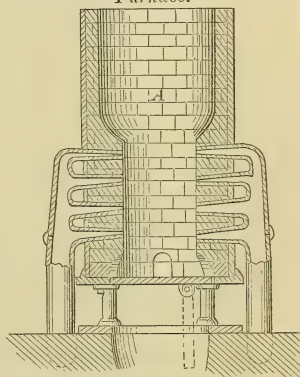
54469—F. Millward—*Steam and Water Motor.*



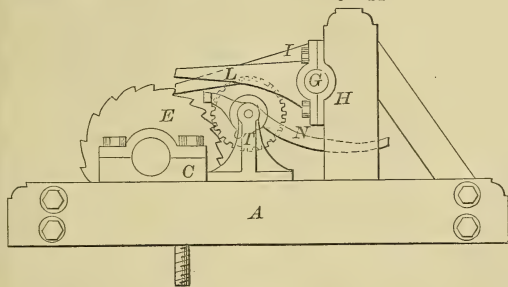
54472—N. G. Whitmore—*Blacking Brush.*



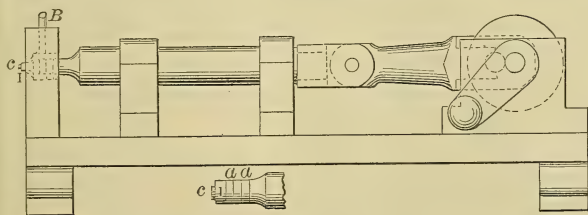
54470—C. Truesdale—*Cupola Furnace.*



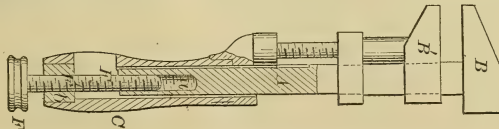
54467—Goodsell & Frisbie—*Hoisting Apparatus.*



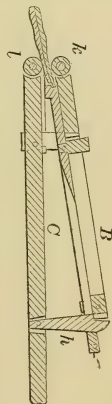
54468—E. E. Marsh—*Eyelet Machine.*



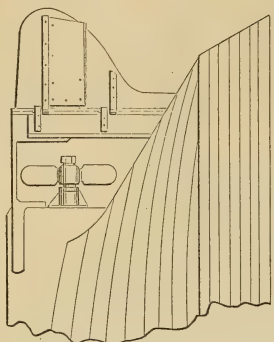
54471—C. C. Webber—*Wrench*.



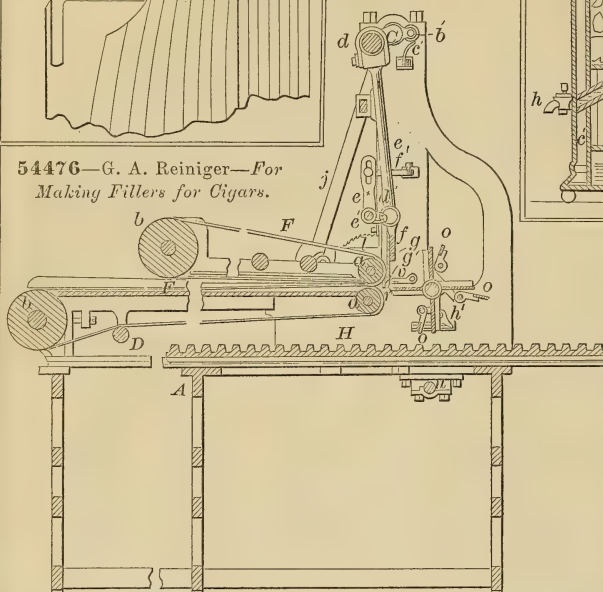
54473—M. H. Wiley—*Mop.*



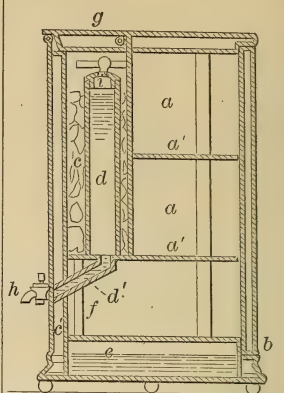
54474—J. Mc G. Croft—Rudder.



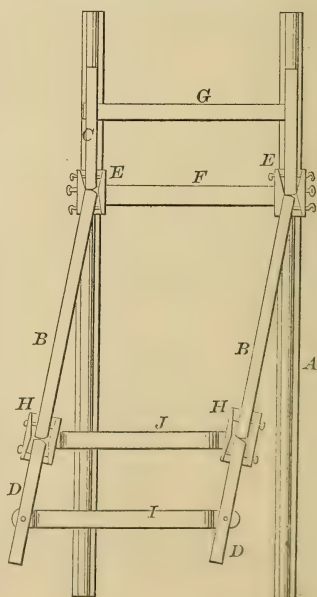
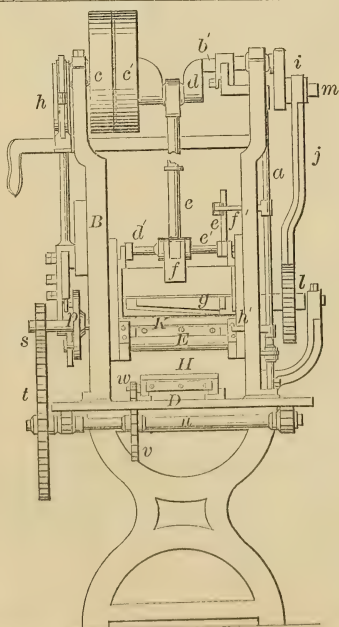
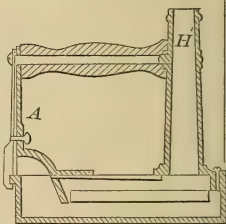
54476—G. A. Reiniger—For Making Fillers for Cigars.



54475—C. Falck—Refrigerator.

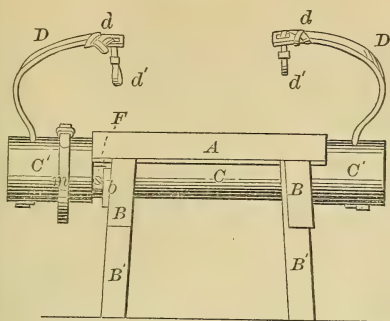


54477—F. Stoker—Composition for Fuel.

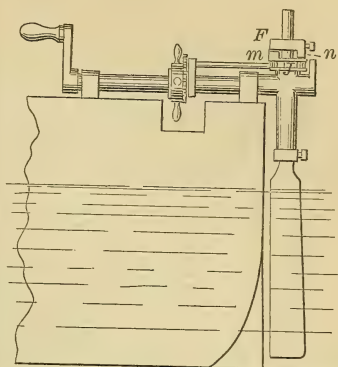


54478—N. Pullman—Switch for Replacing Cars.

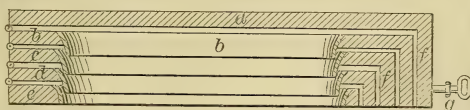
54479—Albert & Shank—*Sheep Holder for Shearing.*



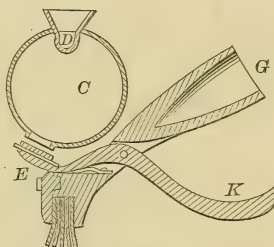
54481—J. F. Allen—*Propeller.*



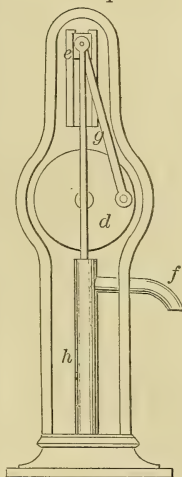
54480—L. Alexander—*Water Closet Seat.*



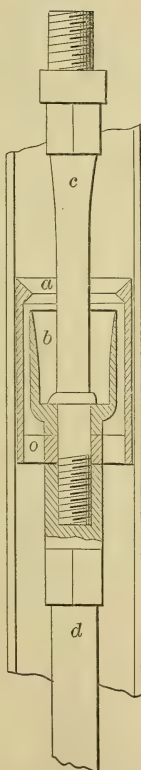
54482—A. H. Allison—*Scrubber and Tender.*



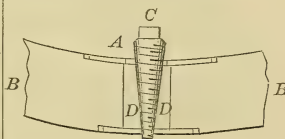
54483—R. H. Andrews—*Pump.*



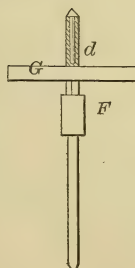
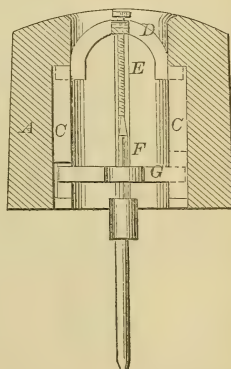
54484—F. Armstrong—*For Protecting Pumps in Deep Wells.*



54485—H. Austin—*Coupling for Carriage Felloes.*

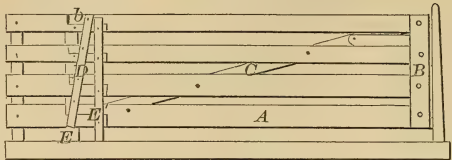


54486—J. W. Baldwin—*Grinding Mill.*

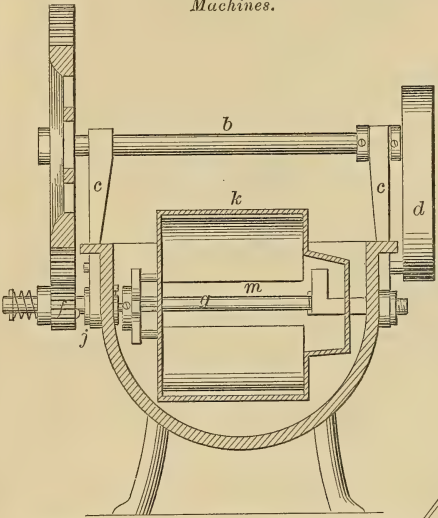




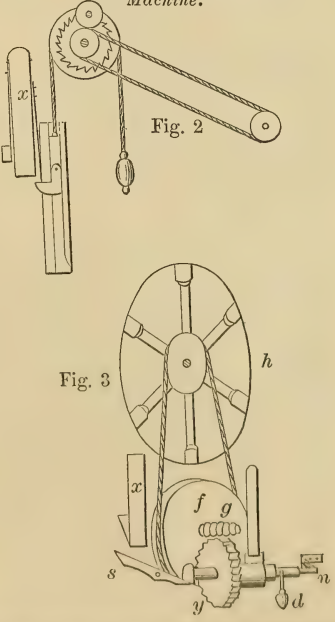
54487—A. G. Barnard—Fence Gate.



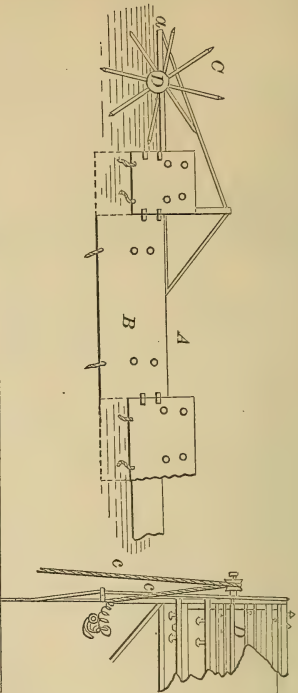
54491—J. F. Burchard—Forcing Air in Carburetting Machines.



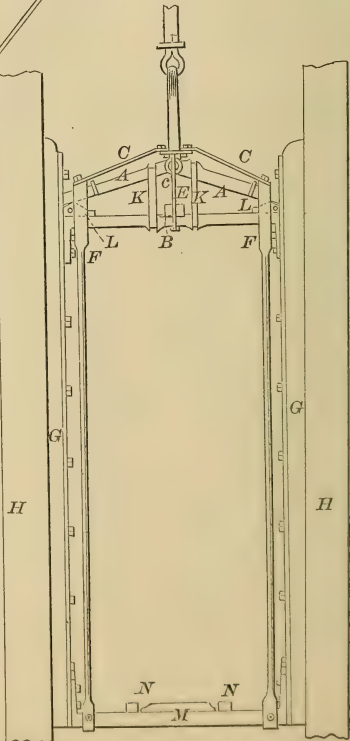
54493—J. Blayney—Hand Spinning Machine.



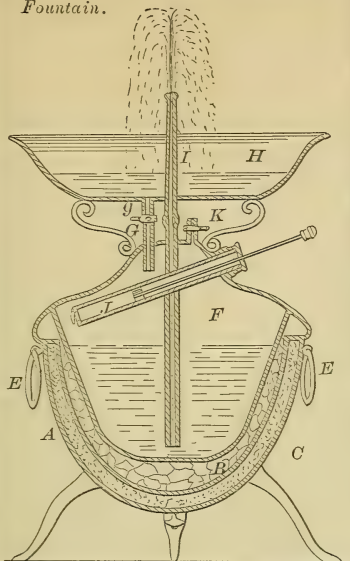
54489—E. Bell—Removing Sand Bars from Rivers.



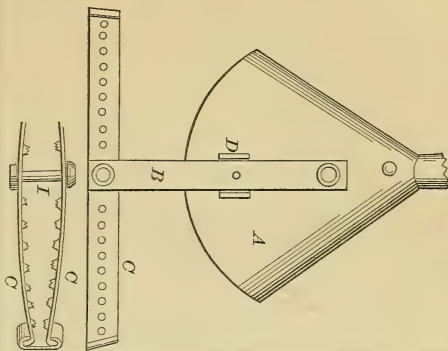
54490—Berry, Hochholzer & Denver—Cage for Hoisting.



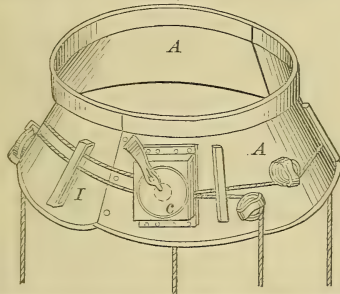
54494—T. H. Bonham—*Portable Fountain.*



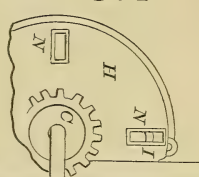
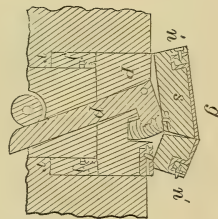
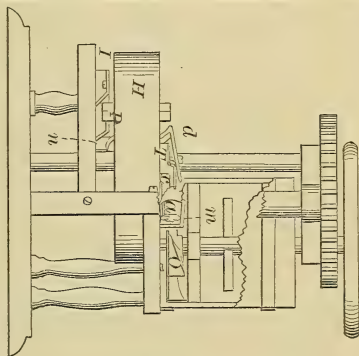
54498—H. Buck—*Broom Head.*



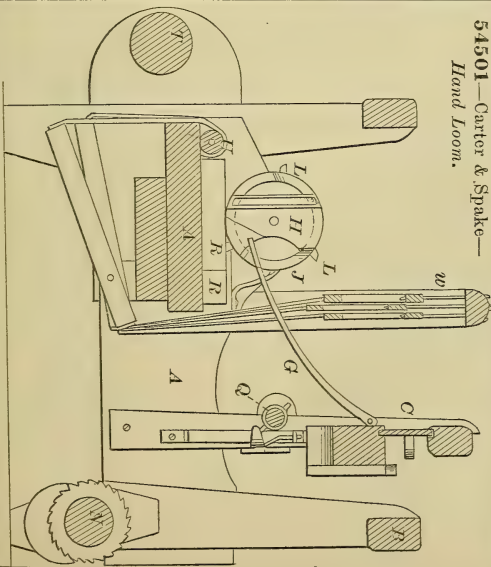
54496—T. H. Bradley—*Ladies' Skirt Lifter.*



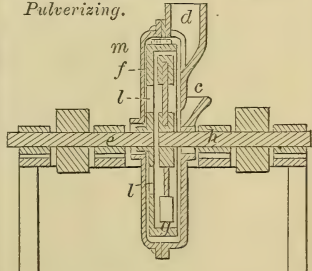
54500—E. P. IL. Capron—*Brick Machine.*



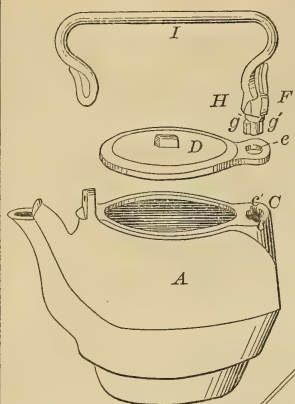
54501—Carter & Spake—*Hand Loom.*



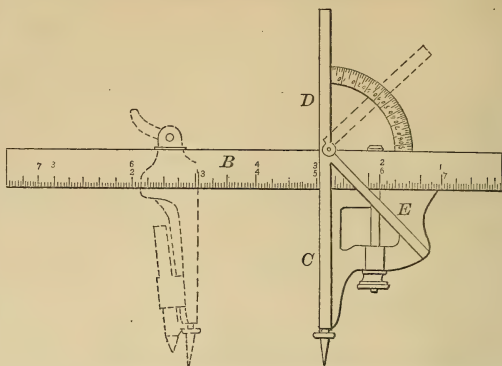
54497—H. A. Breed—*Quartz Pulverizing.*



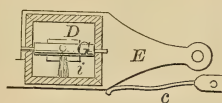
54502—W. Caven—Tea Kettle.



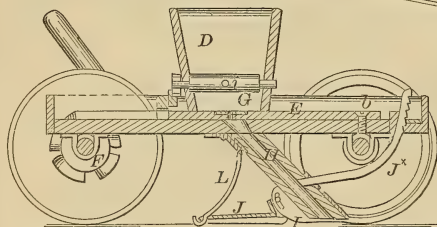
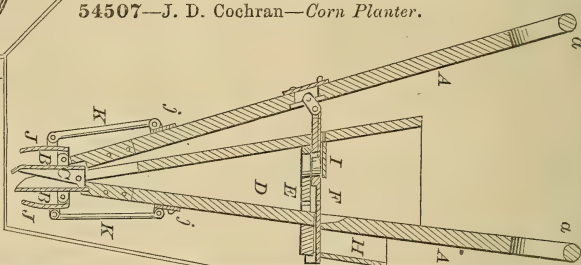
54503—O. R. Chaplin—Combined Square and Level.



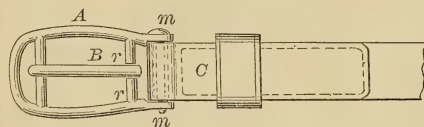
54506—J. D. Cochran—Seeding Machine.



54507—J. D. Cochran—Corn Planter.



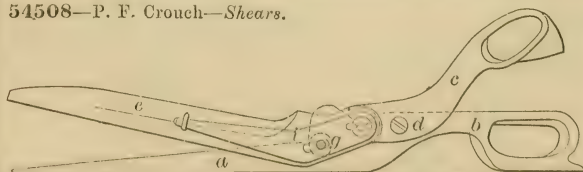
54504—C. S. Cissna—Buckle.



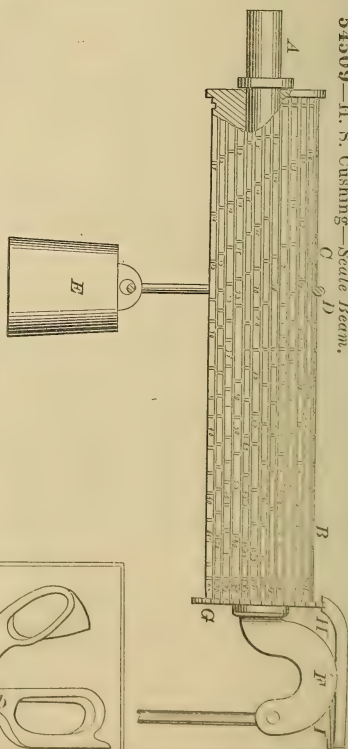
54505—W. C. Cleveland—Scrubbing Brush.



54508—P. F. Crouch—Shears.

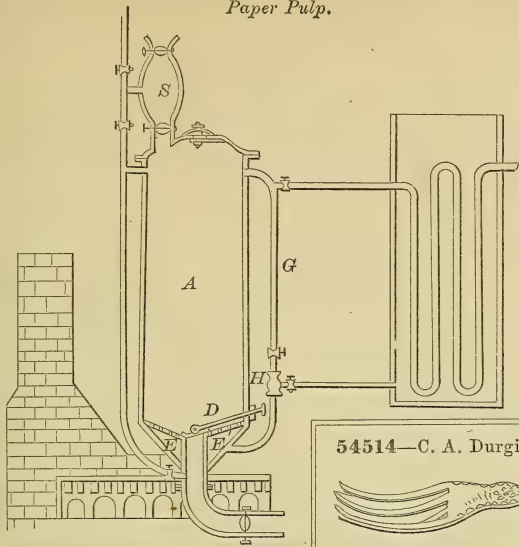


54509—H. S. Cushing—Scale Beam.

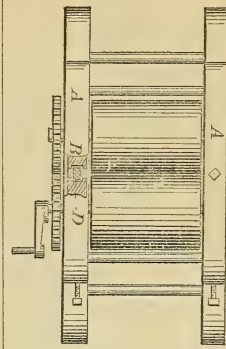




54510—Dixon & Harding—*For the Manufacture of Paper Pulp.*



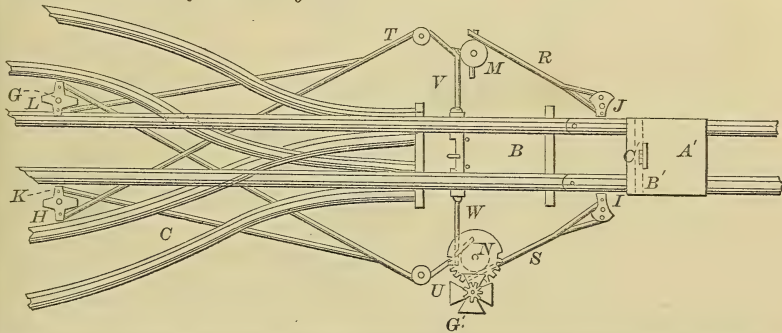
54512—M. B. Dodge—*Quartz Crusher.*



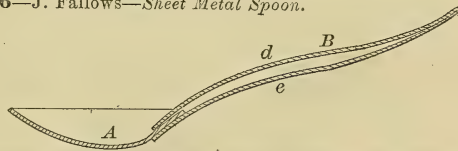
54514—C. A. Durgin—*Table Fork.*



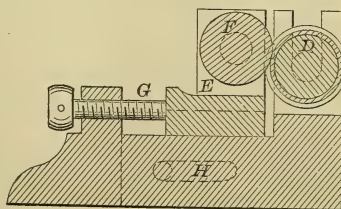
54513—J. E. P. Doyle—*Railway Switch.*



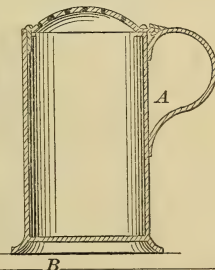
54516—J. Fallows—*Sheet Metal Spoon.*



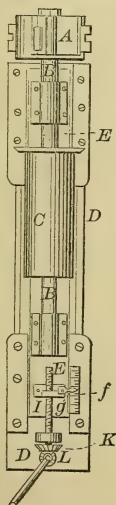
54515—E. H. Eldridge—*For Embossing Napkin Rings.*

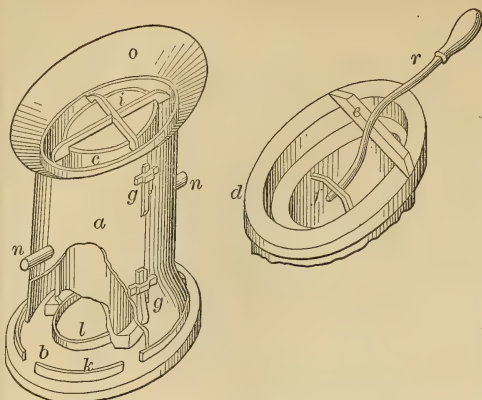
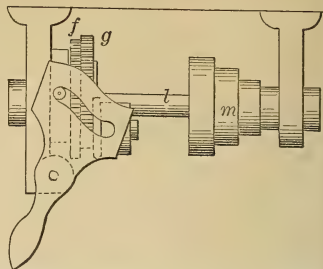
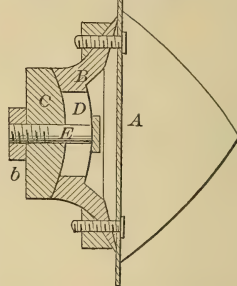
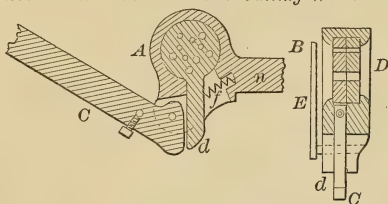
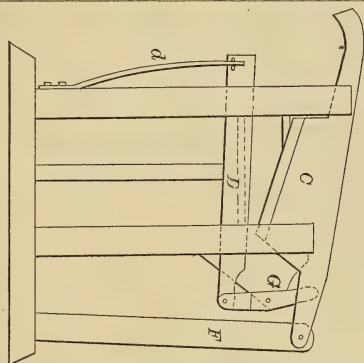
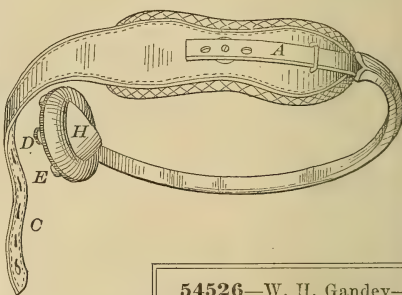
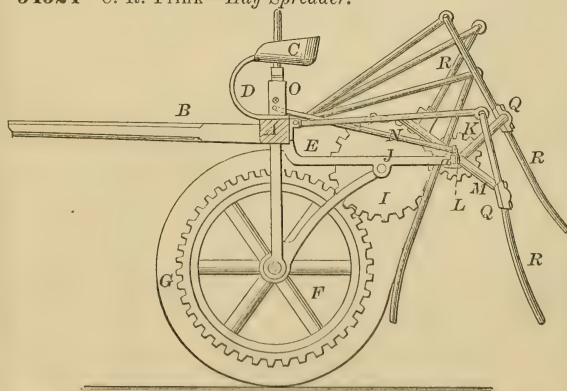
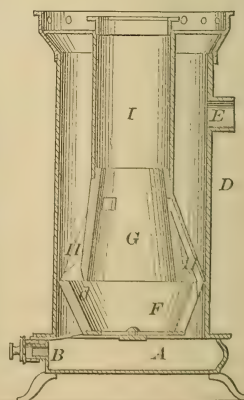


54517—J. Fallows—*Pepper Box.*

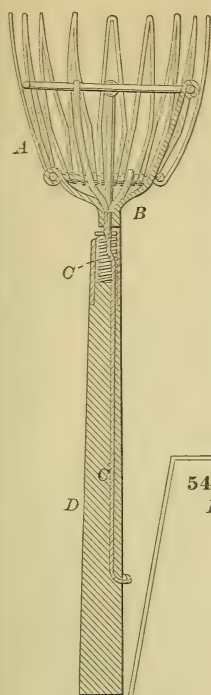


54511—J. Dixon—*Planing Machine.*

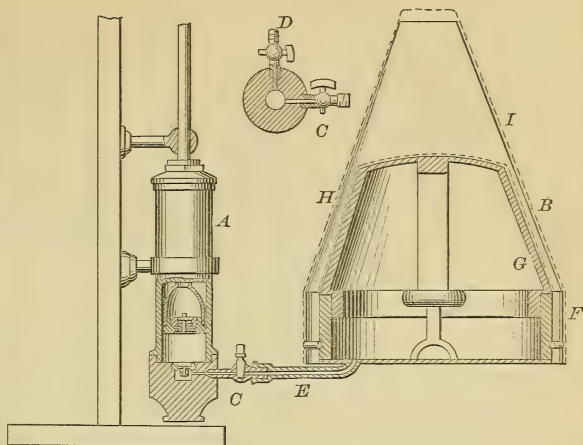


54518—J. C. Field—*Tile Mould.*54519—W. Fitzgerald—*Gearing for Lathes, &c.*54522—J. L. Fountain—*Attaching Cultivator Blades.*54520—W. H. Flinn—*For Cutting Wire.*54523—C. T. Frost—*Straw Cutter.*54521—A. O. Forsberg—*Hernial Truss.*54524—C. R. Frink—*Hay Spreader.*54526—W. H. Gandy—*Coal Stove.*

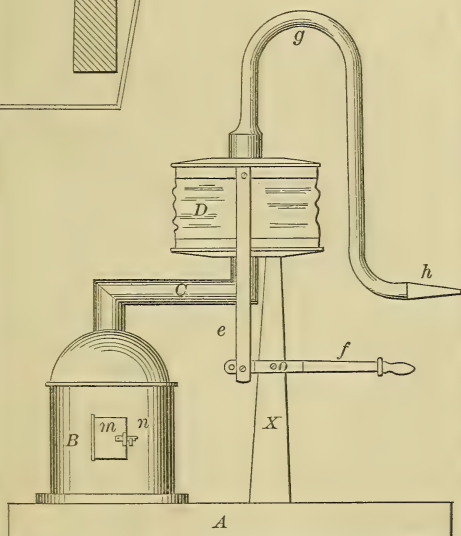
54527—E. Gilliam—*Fruit Gatherer.*



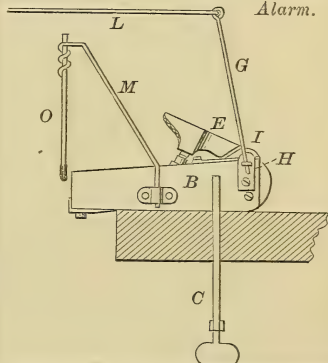
54530—G. Hadfield, M. D.—*Treating Diseases by Vacuum.*



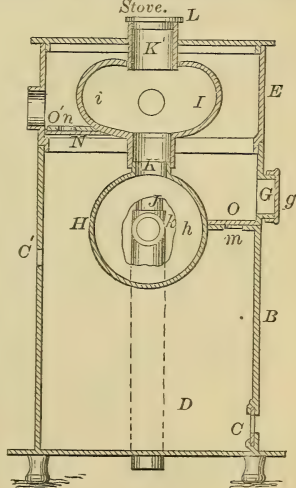
54528—E. Gilliam—*For Exterminating Insects.*



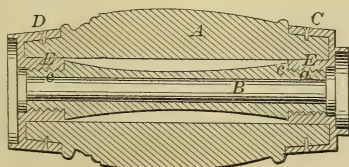
54531—A. F. Hammond—*Burglar Alarm.*



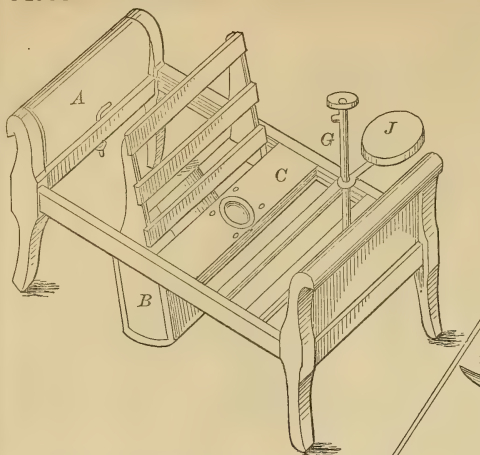
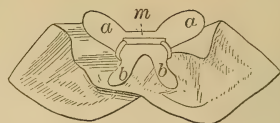
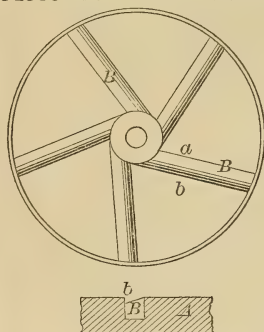
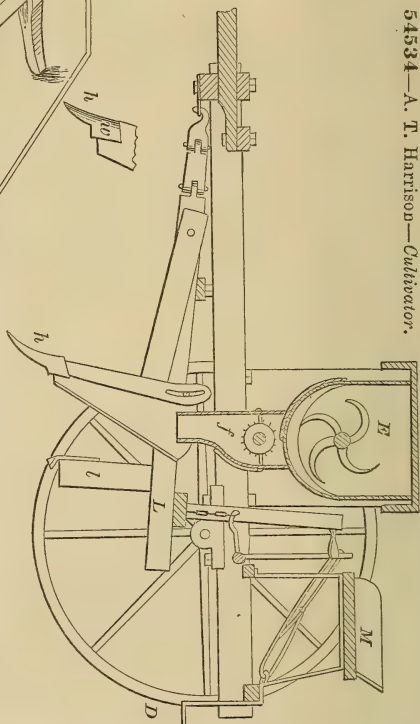
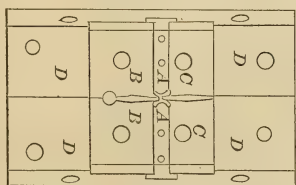
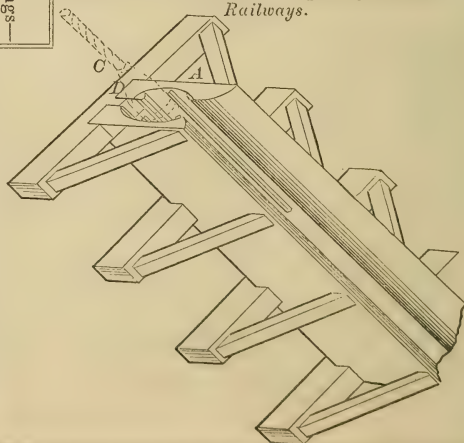
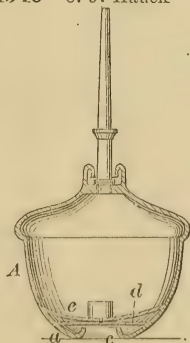
54532—W. H. Harbaugh—*Heating Stove.*



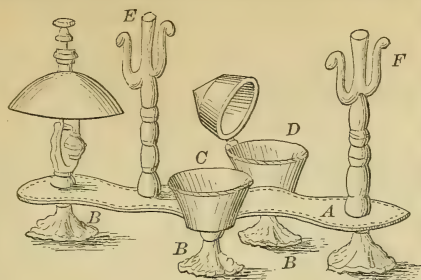
54529—W. Greenleaf—*Securing Boxes in Hubs.*



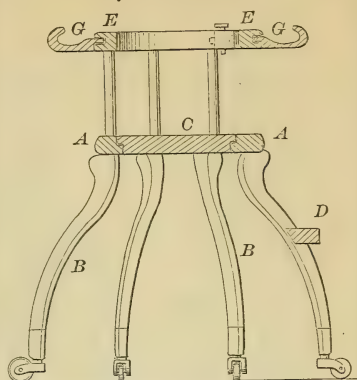


54533—P. W. Hardwick—*Invalid Bedstead*54536—W. H. Hart, Jr.—*Neck Tie*54535—E. Harrison—*Grinding Mill*54534—A. T. Harrison—*Cultivator*54539—G. Hastings—*Watch Die*54537—C. T. Harvey—*Propelling Cars on Railways*54540—C. J. Hauck—*Oiler*

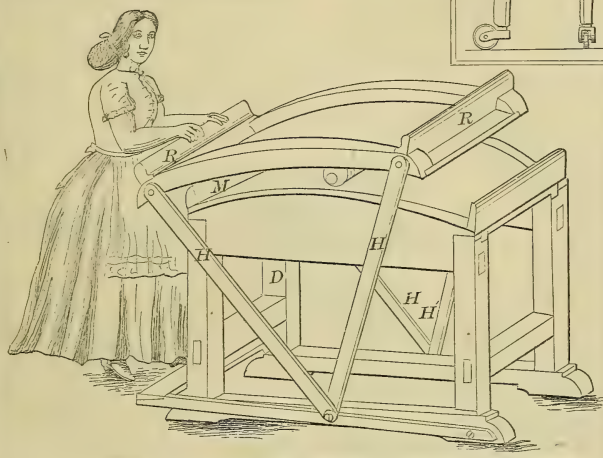
54541—J. B. Hawley—Knife and Fork Rack.



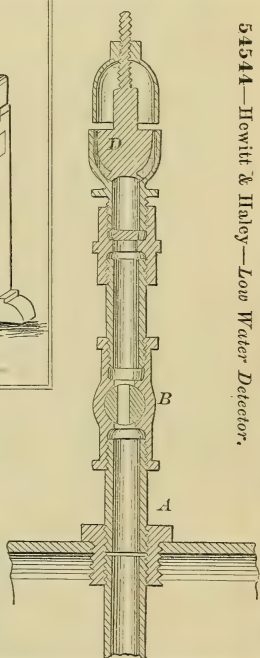
54546—C. Holtz—Chair and Walker for Children.



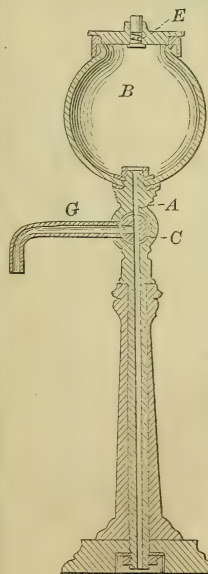
54543—A. Herman—Mangle.



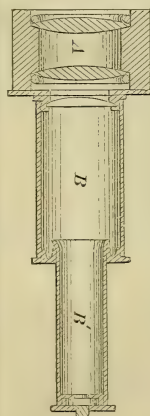
54544—Howitt & Haley—Low Water Detector.



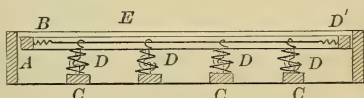
54548—F. H. Houghton—For Measuring Liquids.



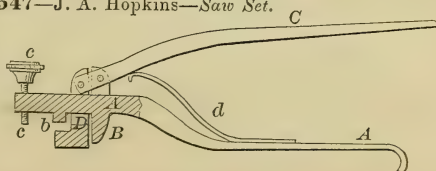
54542—L. Heath—Optical Instrument.

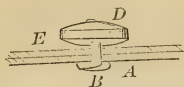
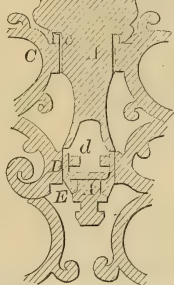
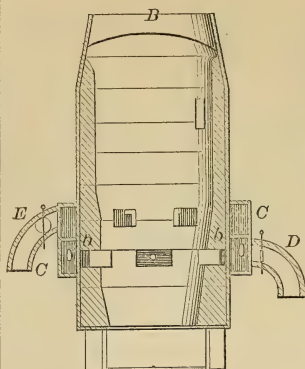
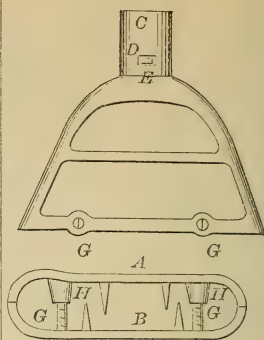
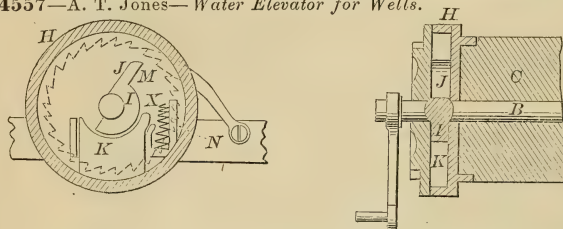
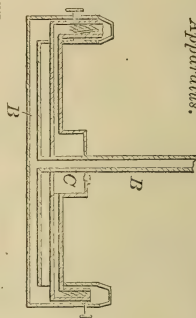
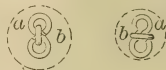
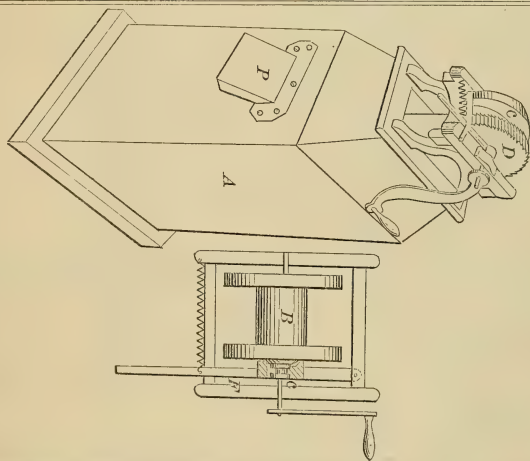
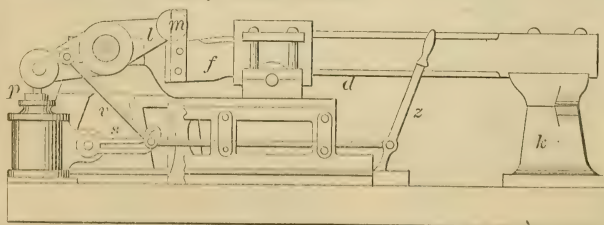


54545—A. Hitchcock—Bed Bottom.



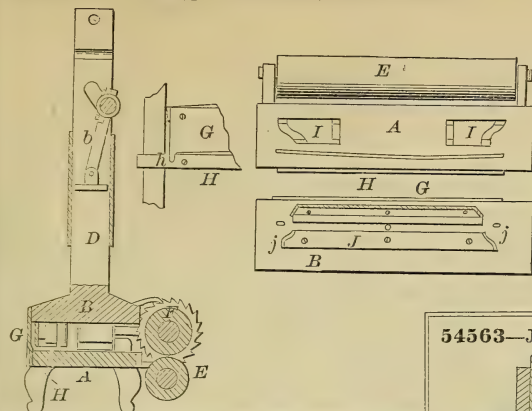
54547—J. A. Hopkins—Saw Set.



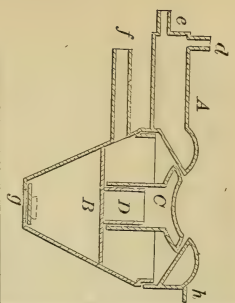
54549—D. Howarth—  
*Button.*54551—W. A. Ingalls—  
*Piano Stool.*54552—J. & T. Insull—*Cupola*  
*Furnace.*54559—M. C. Kilgore—  
*Broom Head.*54557—A. T. Jones—*Water Elevator for Wells.*54553—J. H. Erwin—*Illuminating*  
*Apparatus.*54556—J. Johnson—  
*Fastening for Buttons.*54558—F. H. Jones—*Water Drawer.*54560—E. L. Kinsley—*Steam Hammer.*54555—E. Johnson—*Connecting Joints of Pipes.*



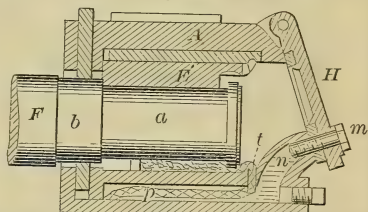
54561—H. F. Knapp—For Making Paper Collars.



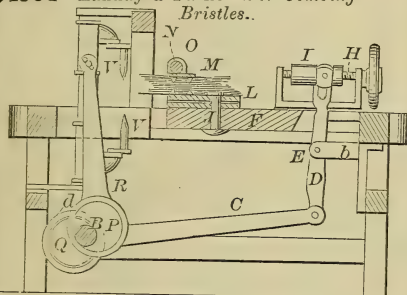
54562—J. Kriegbaum—Typer.



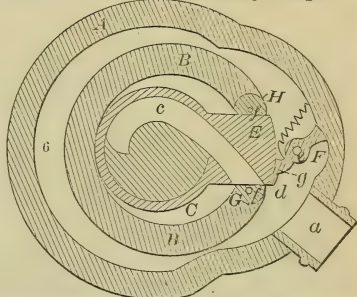
54563—J. J. Lahaye—Railroad Axle Box.



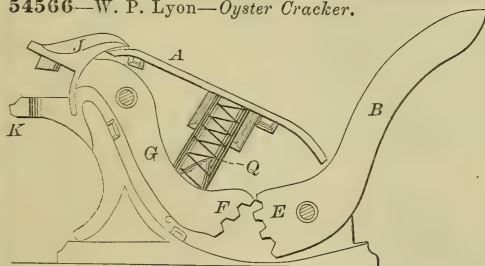
54564—Lannay & Parks—For Combing Bristles.



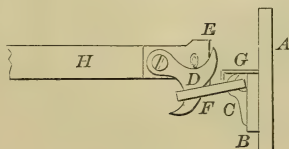
54565—H. B. Leach—Rotary Pump.



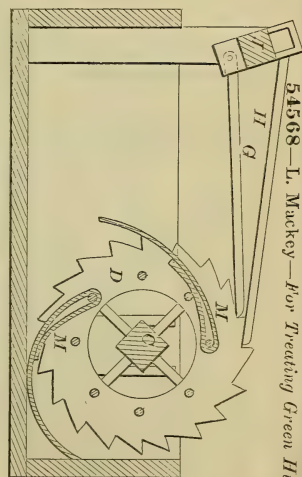
54566—W. P. Lyon—Oyster Cracker.



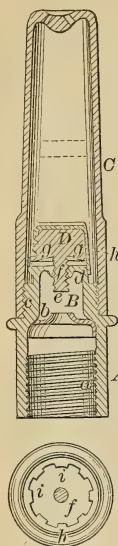
54567—Lynn & Crowell—Bed Bottom.



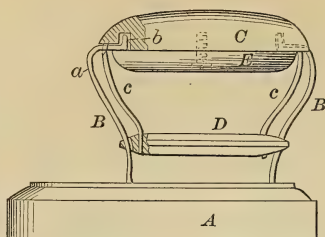
54568—L. Mackey—For Treating Green Hides.



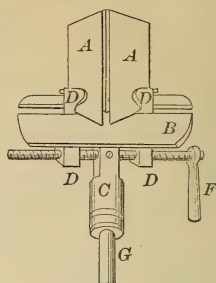
54569—W. Mallord—Attachment for Gas Burners.



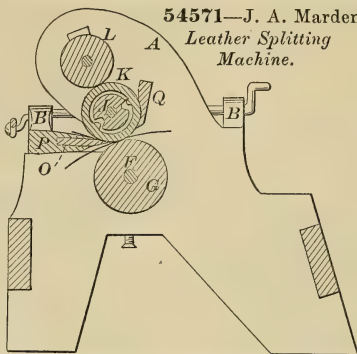
54570—C. J. Mallon—Sad Iron.



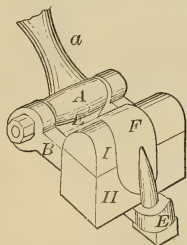
54572—E. McArdle—For Holding Glass Bottles.



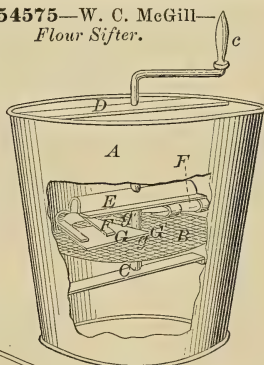
54571—J. A. Marden—Leather Splitting Machine.



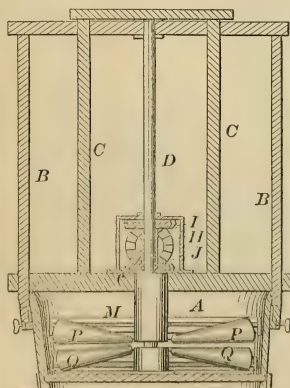
54574—F. McRoy—Attaching Thills to Vehicles.



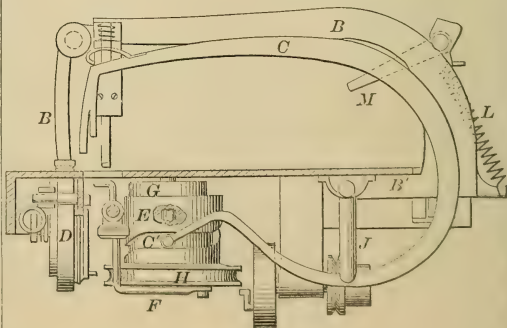
54575—W. C. McGill—Flour Sifter.



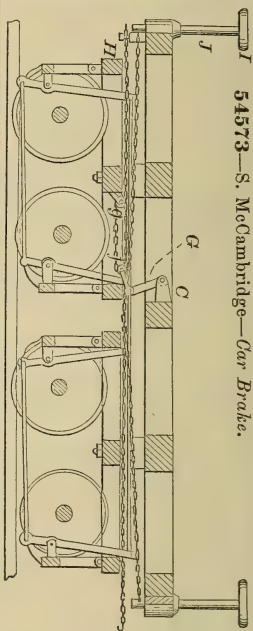
54576—S. McNamara Washing Machine.



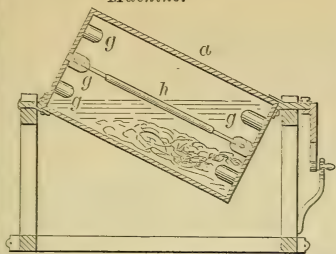
54577—T. L. Melone—Sewing Machine.



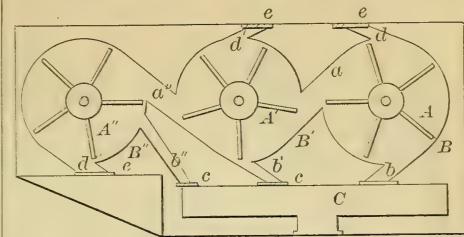
54573—S. McCambridge—Car Brake.



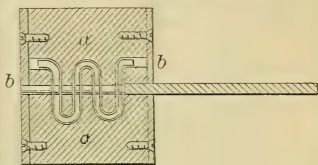
54578—B. F. Miller—Washing Machine.



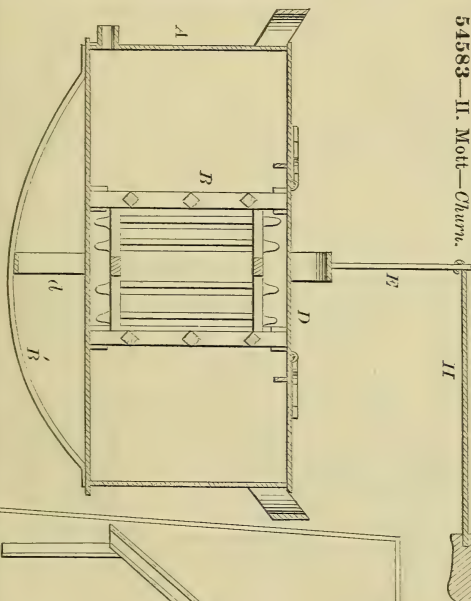
54579—I. & D. J. Miner—Water Wheel.



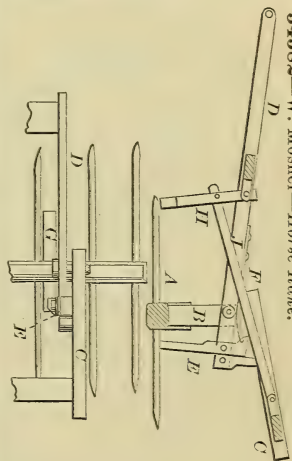
54580—M. J. Montgomery—For Punching Corrugated Metal.



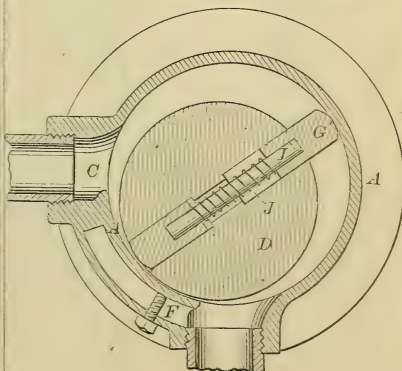
54583—H. Mott—Churn.



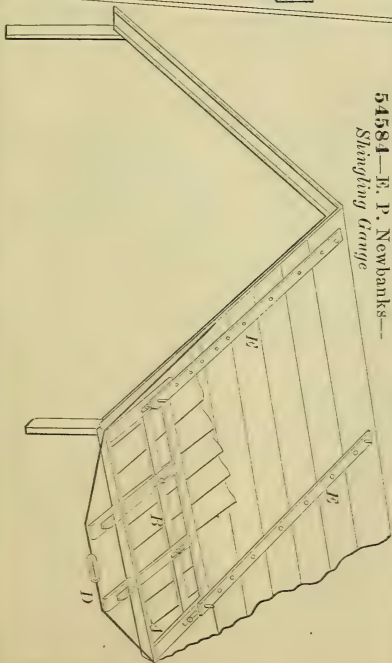
54582—W. Mosher—Horse Rake.



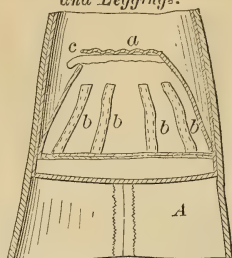
54581—J. J. Morris—Rotary Pump



54584—E. P. Newbanks—Shingling Gauge





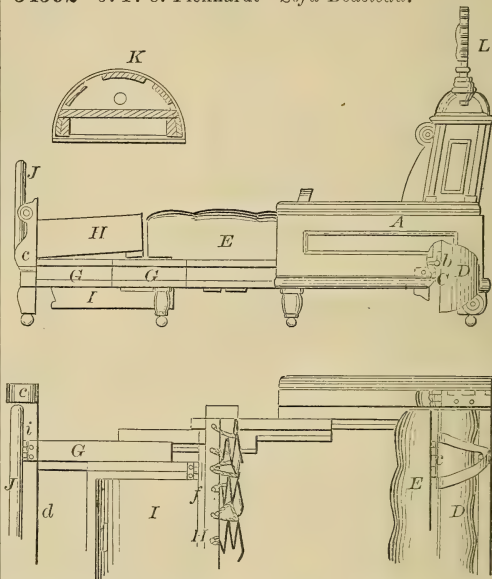
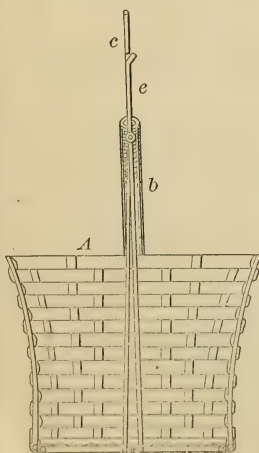
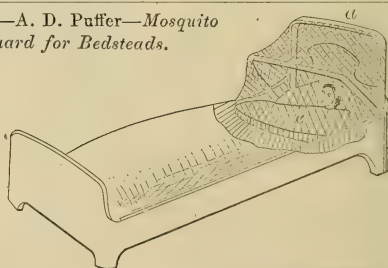
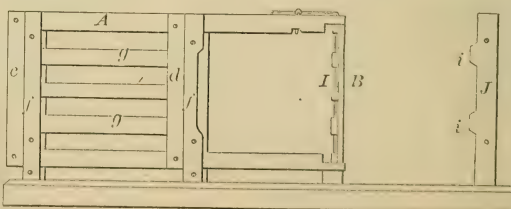
54585—J. K. O'Neil—*Sleeves and Leggings.*54589—S. W. & J. F. Palmer—*Gearing.*54590—C. C. Parsons—*Cast Iron Apparatus for Superheating Steam.*54593—M. L. Powell—*Universal Index.*

Universal  
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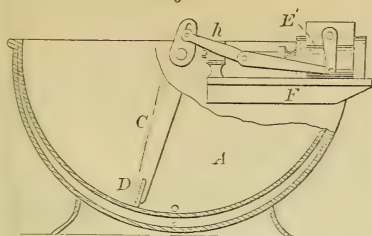
A

North Stations		South Stations	
M	F	M	F
Washgt	0 25	Baltimore	2
Bladsbg	9 40	M Clair	9 25
P Branch	12 50	Relay	10 40
Bells Y	15 55	Elk R	12 45
W Oak E	18 05	Manover	14 50
Laurel	20 75	Dorsey	16 00
Savage	22 80	Jessup	18 70
A Junct	24 95	A Junct	20 75
Jessup	26 05	Savage	22 85
Dorsey	28 15	Laurel	25 95
Manover	30 15	W Oak B	28 00
Elk R	31 25	Bells Y	31 15
Relay	32 25	P Branch	37 12
M Clair	33	Bladsbg	70 15
Baltimore	70 15	Washgt	

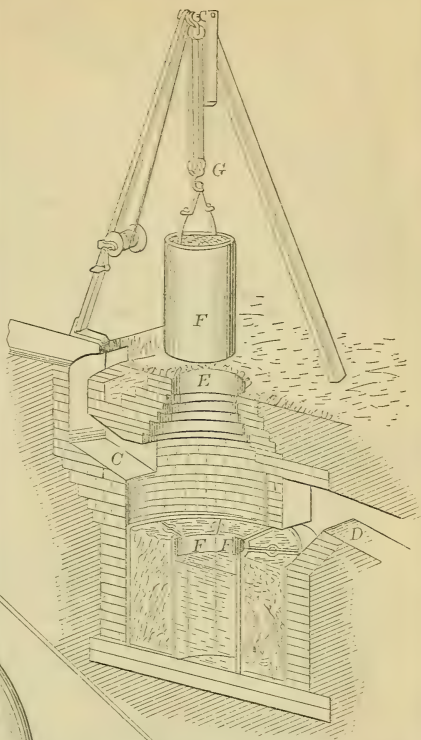
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54592—J. F. C. Pickhardt—*Sofa Bedstead.*54594—D. H. Priest—*Fruit Basket.*54595—A. D. Puffer—*Mosquito Guard for Bedsteads.*54596—C. Purdy—*Gate.*

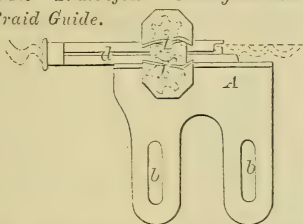
54597—T. H. Quick—*For Dissolving Sugar.*



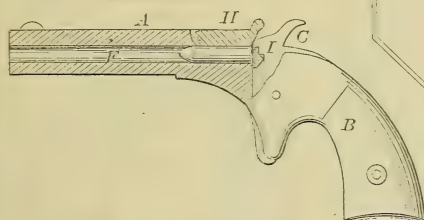
54598—T. F. Randolph—*Sewer.*



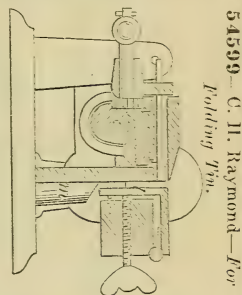
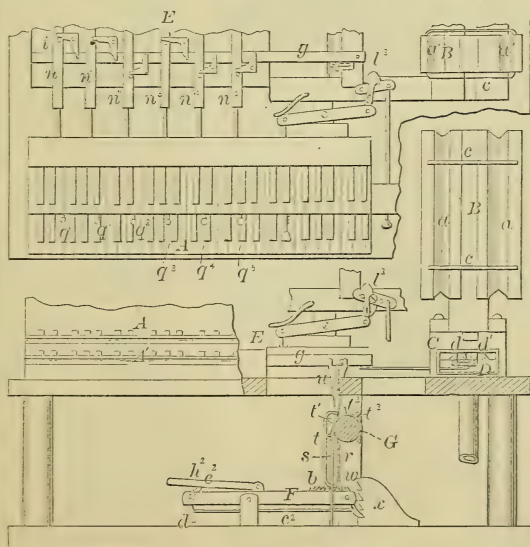
54602—T. Robjohn—*Sewing Machine Braid Guide.*



54500—H. Reynolds—*Breech-Loading Fire Arm.*

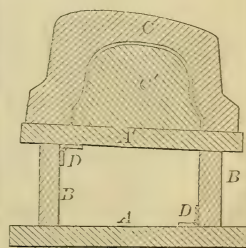


54603—W. Robjohn—*Organ.*

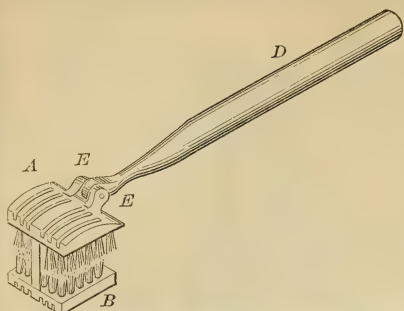


54599—C. H. Raymond—*For Folding Yarn.*

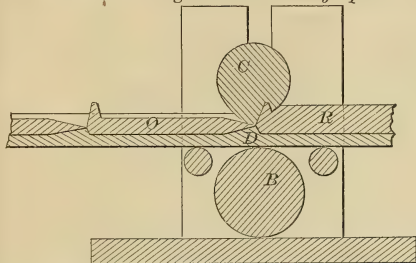
54601—H. A. Robison—*Hat Block.*



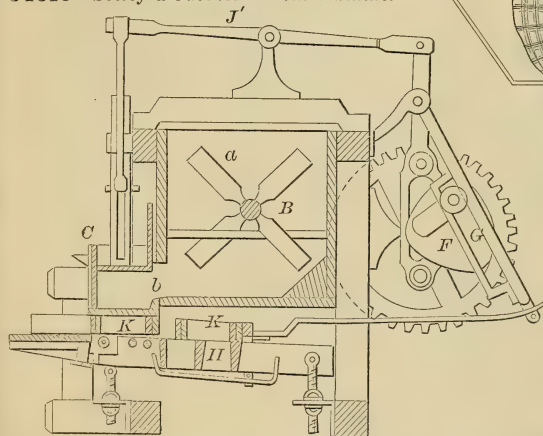
54604—C. Rosefield—*Tooth Brush.*



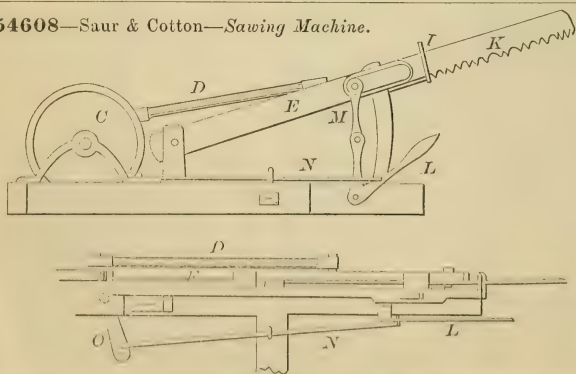
54605—A. J. Rogers—*For Rolling Spikes.*



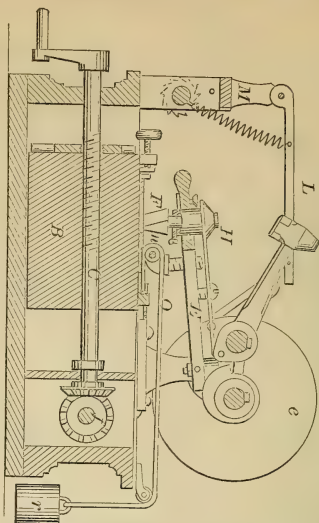
54610—Seeley & Jacobie—*Brick Machine.*



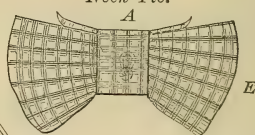
54608—Saur & Cotton—*Sawing Machine.*



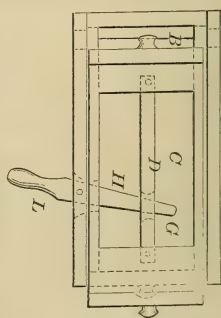
54606—Rotherham & Horden—*File Cutting Machine.*



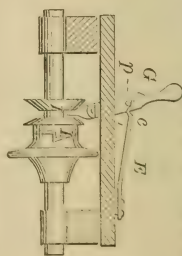
54607—Sangster & Seely—*Paper Neck Tie.*



54609—E. C. Sears—*Flour and Meal*  
*A Sister.*

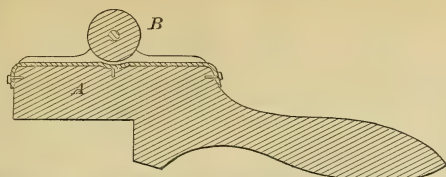


54611—J. F. Seiberling—Lawverster.

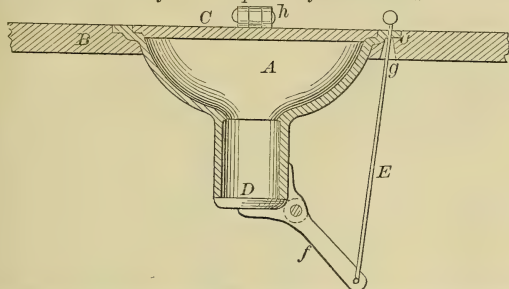




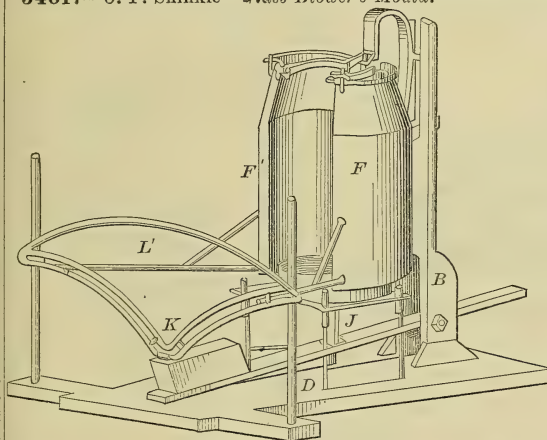
54612—A. J. Sellon—*Knife Cleaner.*



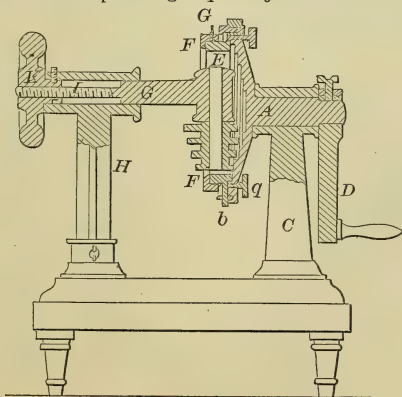
54613—J. H. Seymour—*Spittoon for Railroad Cars.*



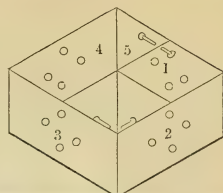
54617—O. P. Shinkle—*Glass Blower's Mould.*



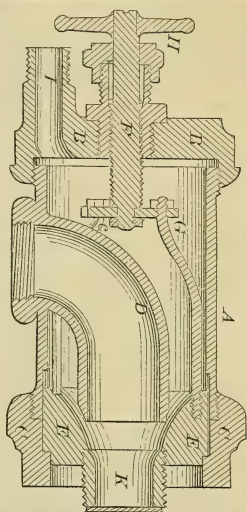
54621—C. F. Spaulding—*Spinning Metal.*



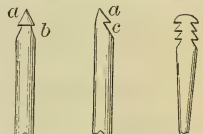
54614—Shepard & Lewis—*Fruit Box.*



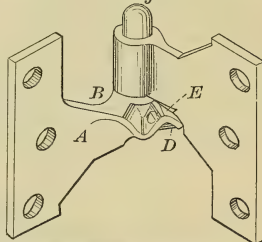
54615—D. M. Shapley—*Head for Pumps.*



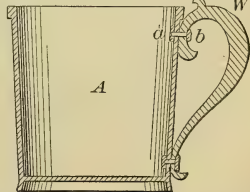
54619—B. M. Smith—*For Picking Cotton.*

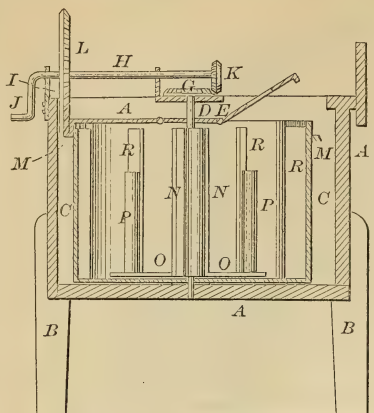
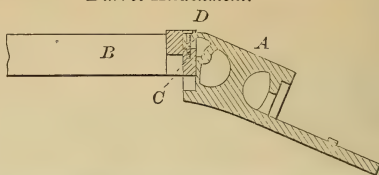
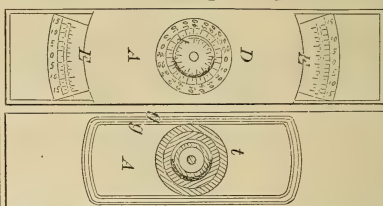
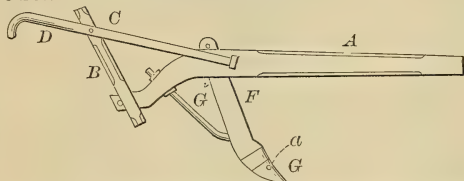
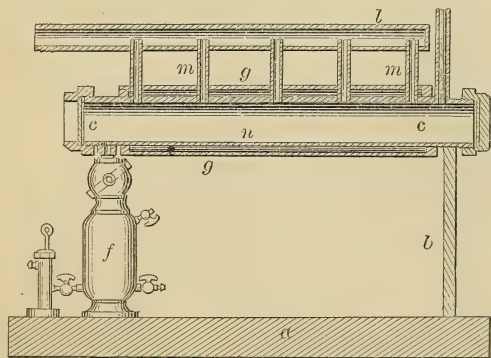
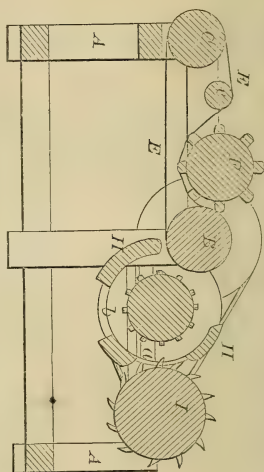
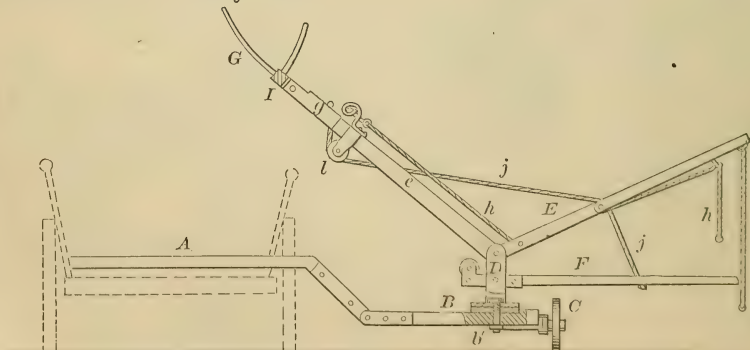


54618—J. Slusser—*Shutter Hinge.*



54620—Smith & Pomeroy—*Fastening Handles to Plated Ware.*

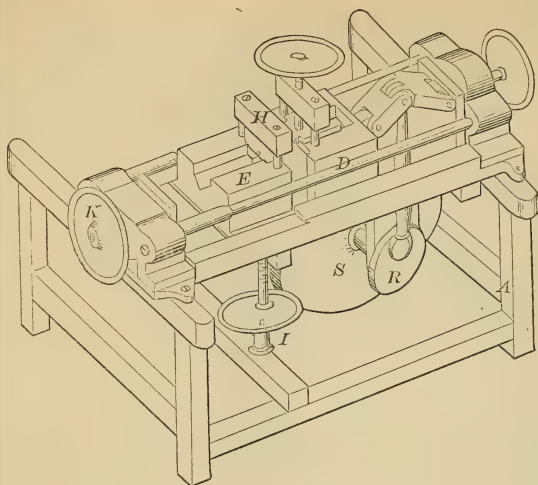


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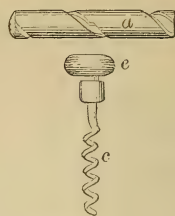




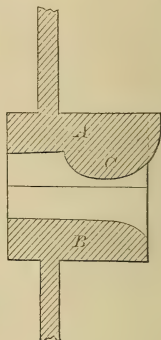
54638—C. Young—For Making Carriage Wheels.



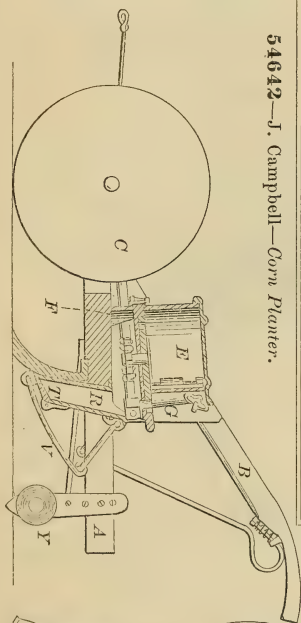
54640—J. Adt—Corkscrew.



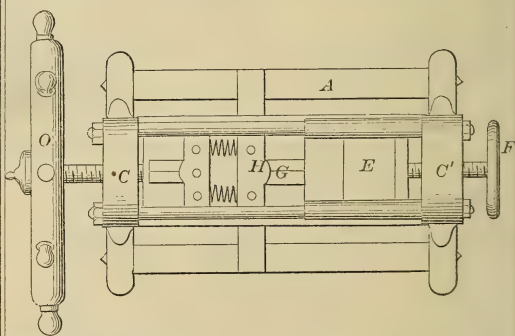
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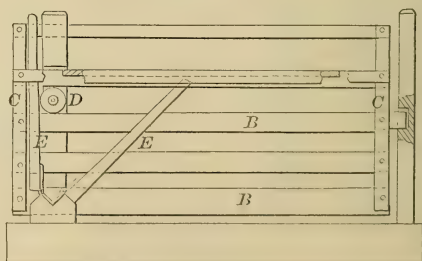
54642—J. Campbell—Corn Planter.



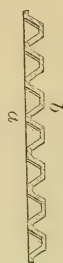
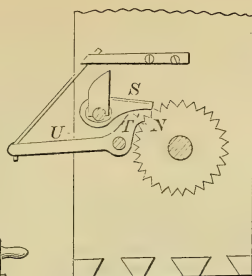
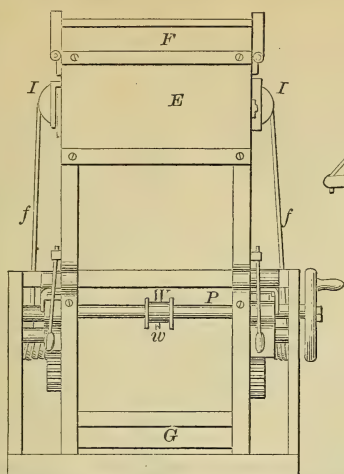
54639—C. Young—For Making Carriage Axles.



54641—D. B. Baker—Gate.

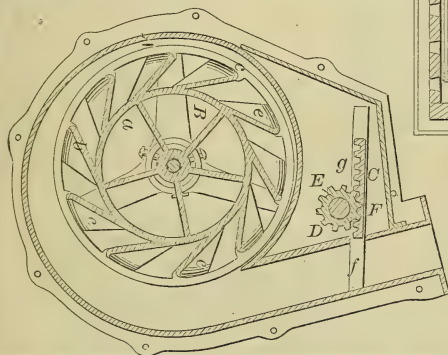


54644—Frisbie & Goodsell—*Baling Press.*

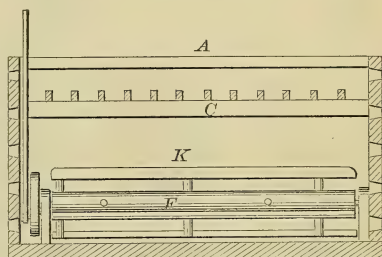


54646—J. W. Hoard—*Ejector Stock.*

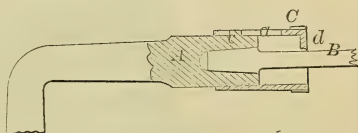
54645—J. A. Hanson—*Water Wheel.*



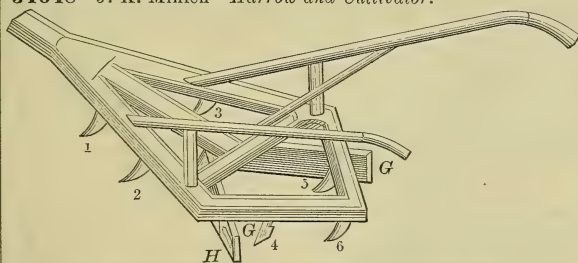
54647—W. La Dew—*Vat for Tanning.*



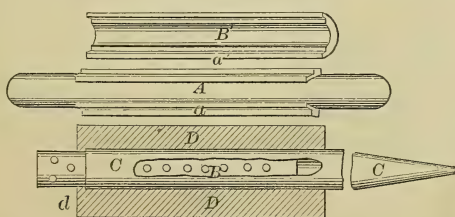
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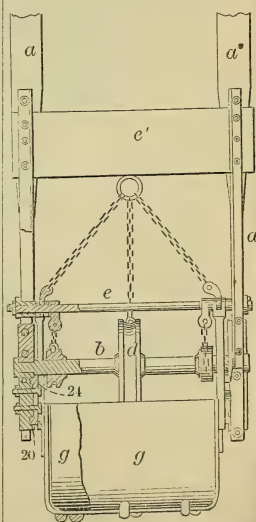
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54651—H. Robbins—*Roll for Wringers.*



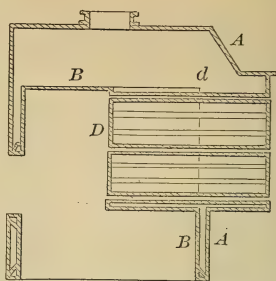
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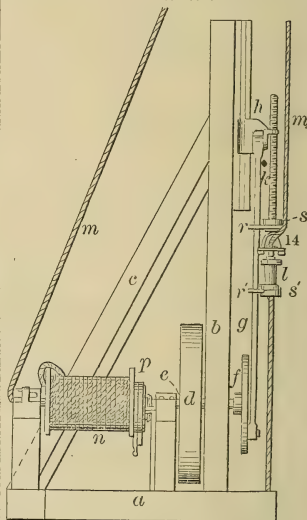
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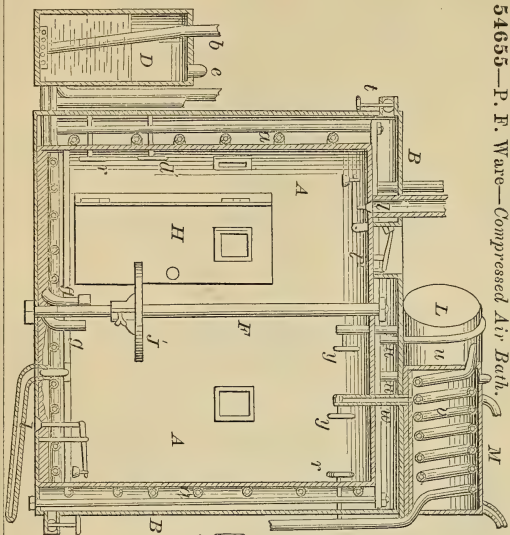
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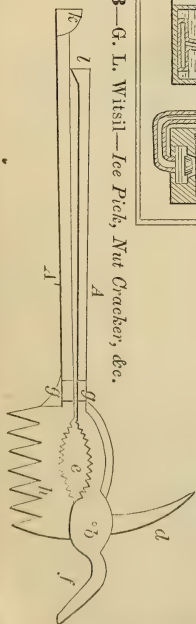
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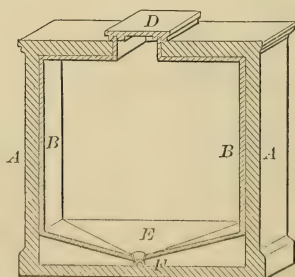
54655—P. F. Ware—Compressed Air Bath.



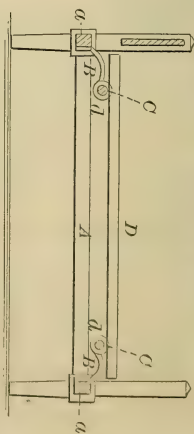
54653—G. L. Witsil—Ice Pick, Nut Cracker, &amp;c.



54657—E. L. Allen—Vessel for Petroleum, &amp;c.

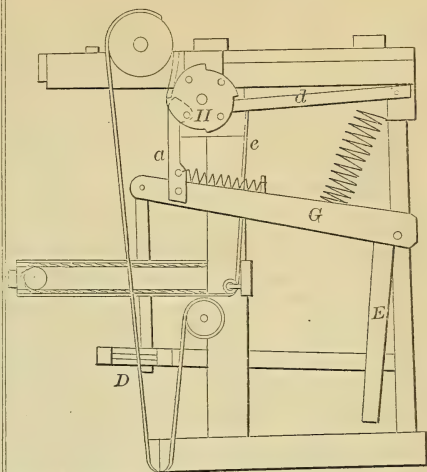


54658—J. A. Abbe—Bed Bottom.



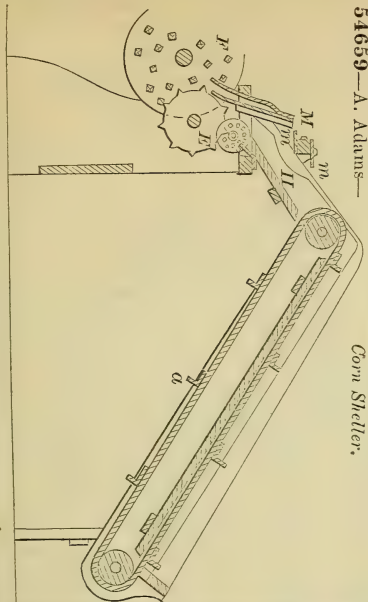


54661—A. L. Anderson—*Harness Motion for Looms.*

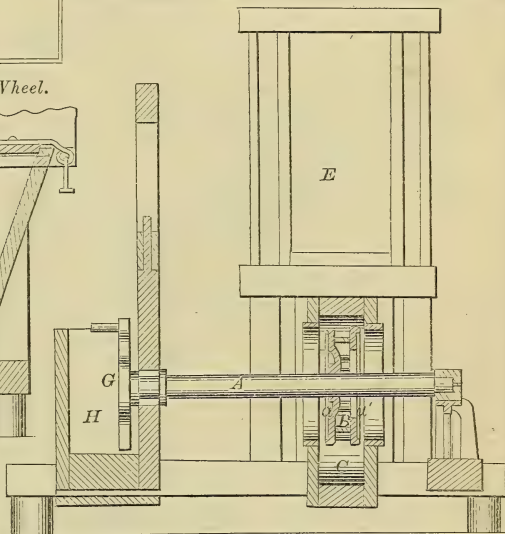
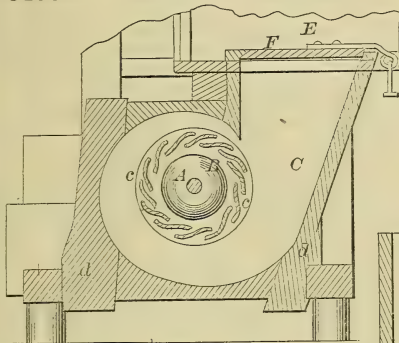


54659—A. Adams—

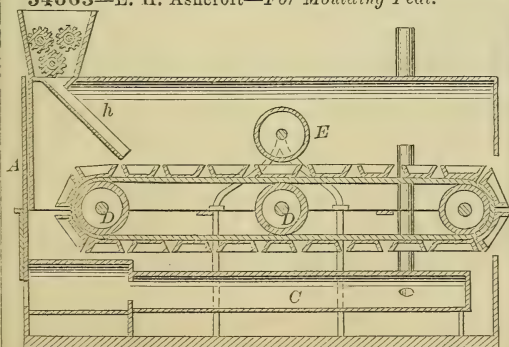
*Corn Shelter.*



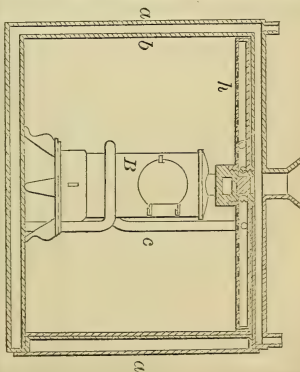
54660—I. J. W. Adams—*Water Wheel.*

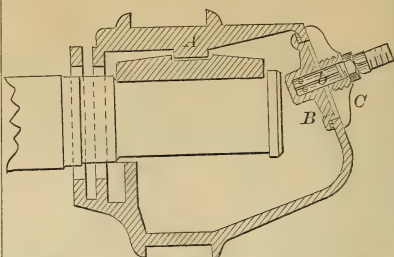
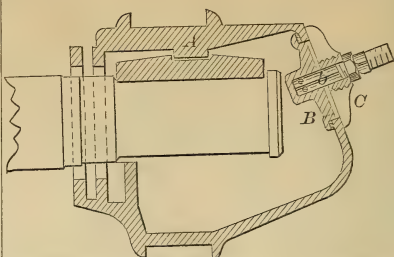
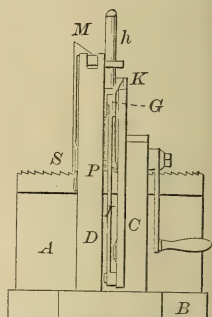
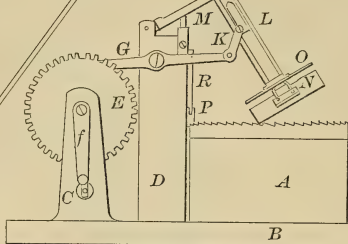
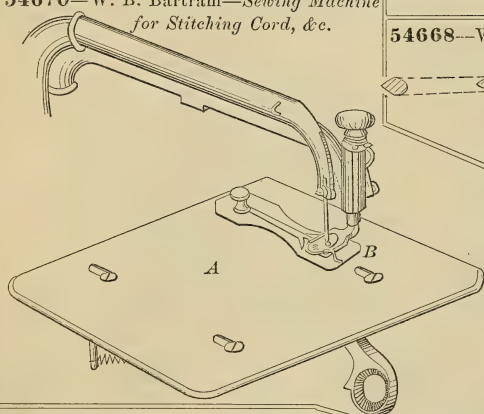
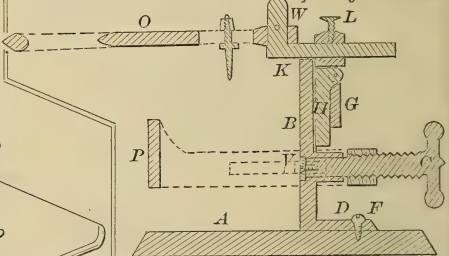
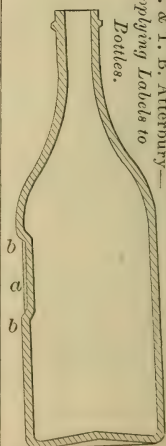
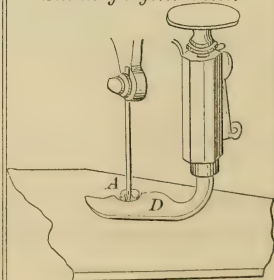
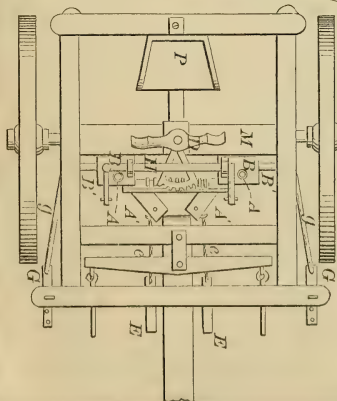


54663—E. H. Ashcroft—*For Moulding Peat.*

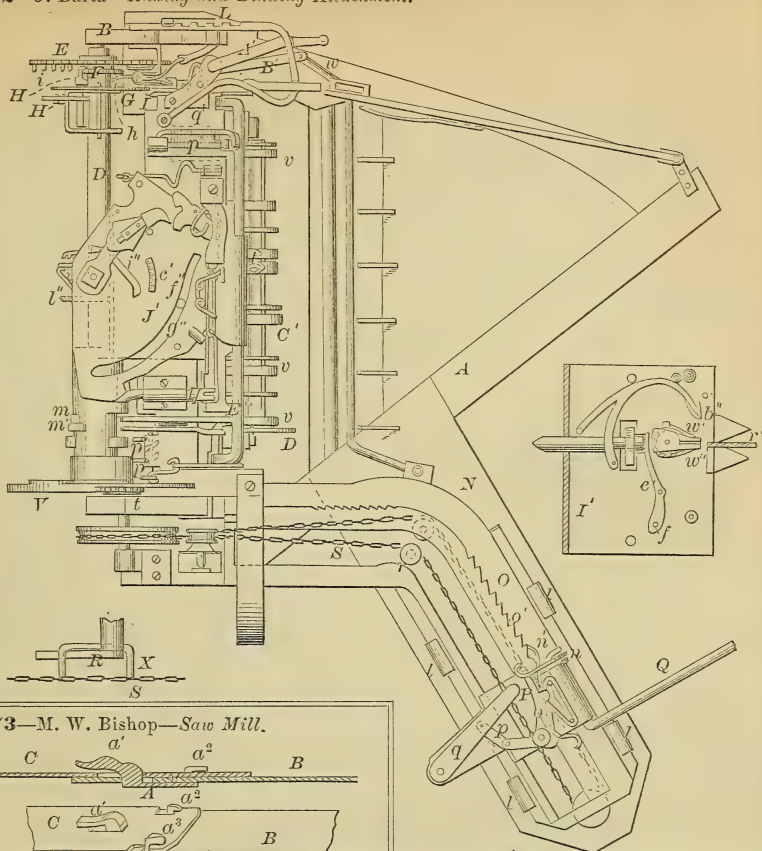


54662—E. H. Ashcroft—*Railway Car.*

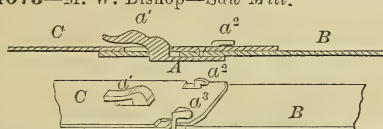


54664—W. S. Auchincloss—*Axle Box Cover.*54666—W. S. Auchincloss—*Axle Box Cover.*54667—D. W. Baker—*Meat Chopper.*54670—W. B. Bartram—*Sewing Machine for Stitching Cord, &c.*54668—W. K. Baldwin—*For Opening Tin Cans.*54665—J. S. & T. B. Atterbury—*Applying Labels to Bottles.*54671—W. B. Bartram—*Sewing Machine for Stitching Eyelet Holes.*54669—Barr & Cox—*Cultivator.*

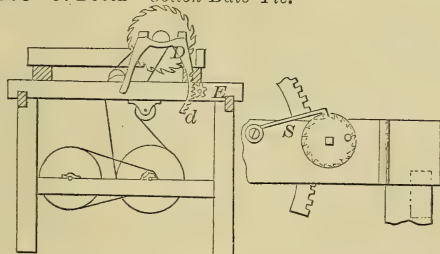
54672—J. Barta—Raking and Binding Attachment.



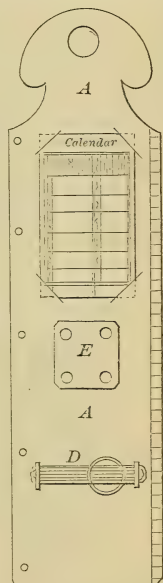
54673—M. W. Bishop—Saw Mill.



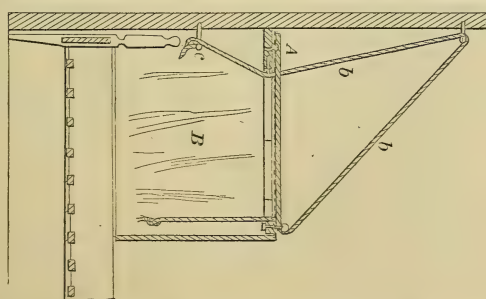
54675—J. Booth—Cotton Bale Tie.



54676—E. H. Boswell—Paper Tin.



54674—M. Bliss—Mosquito Canopy.

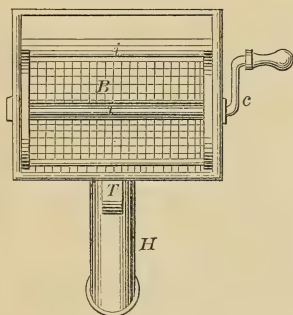
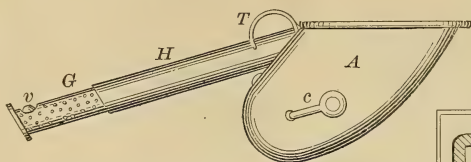




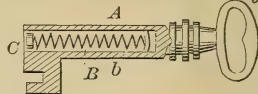
54677—E. H. Boswell—Stair Rod and Fastening.



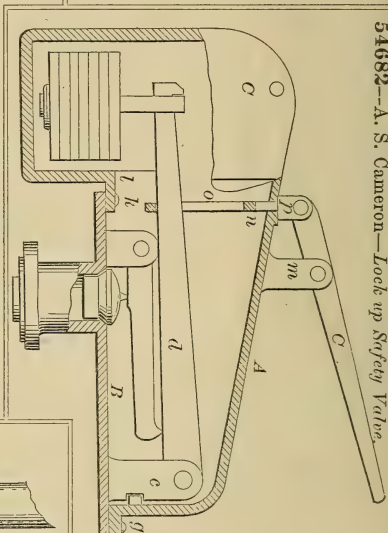
54679—F. Bucknam—Scoop, Sifter, &amp;c.



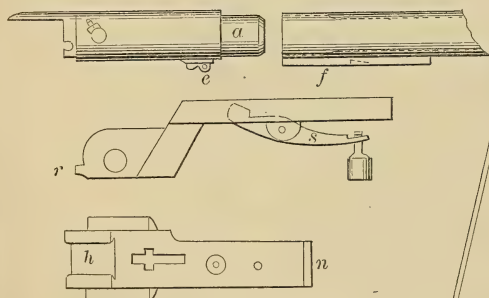
54678—T. S. Bowman—Key.



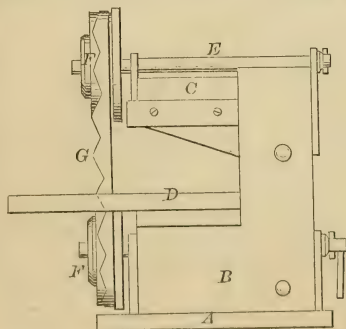
54682—A. S. Cameron—Lock up Safety Valve.



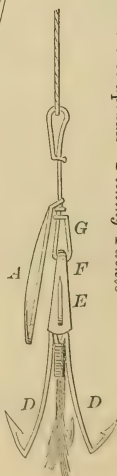
54680—J. Burke—Breech-Loading Fire Arm.



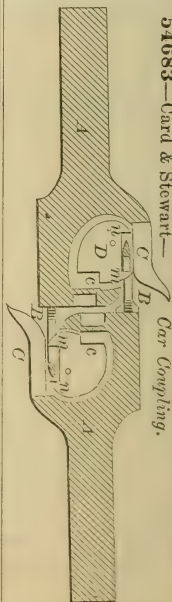
54681—V. H. Buschman—For Cutting Cloth.



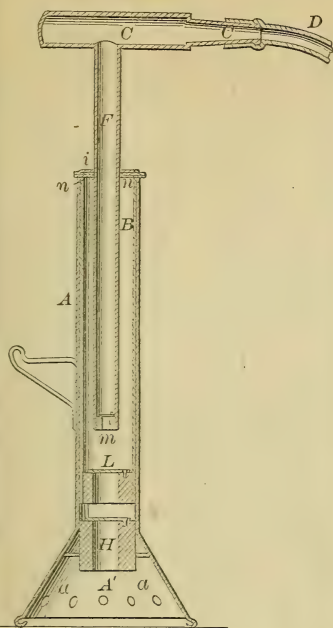
54684—W. D. Chapman—Fishing Tackle.



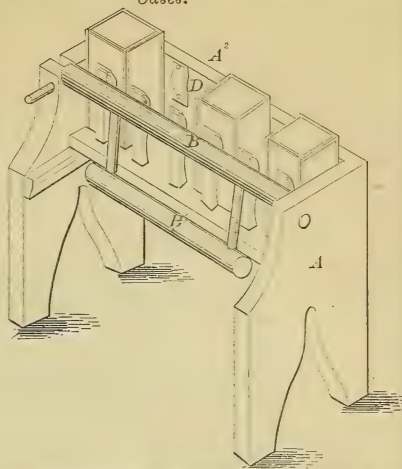
54683—Card &amp; Stewart—Car Coupling.



**54685**—W. F. Class—*Pump Sprinkler.*

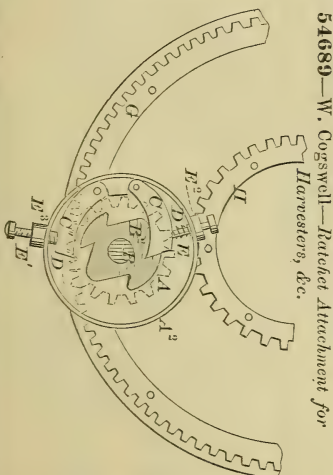
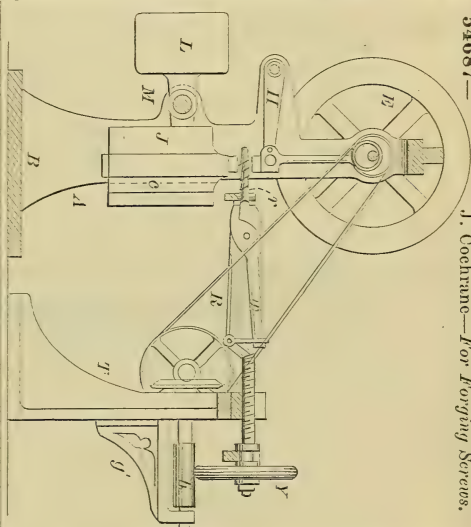


**54686**—D. Clavidge—*For Expelling Air from Cases.*



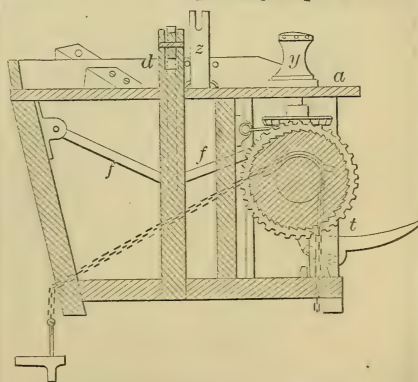
**54687**—

J. Cochrane—*For Forging Screws.*



**54689**—W. Corsswell—*Ratchet Attachment for Harvesters, &c.*

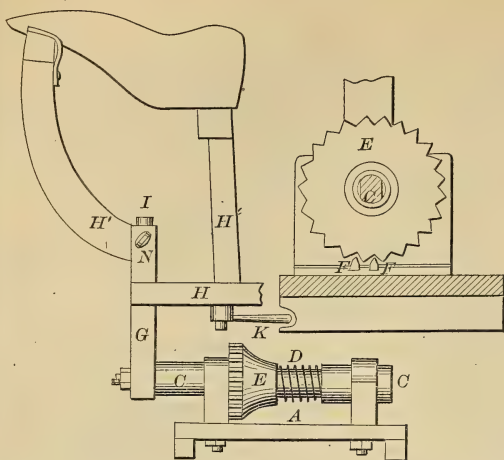
**54688**—G. Coffin—*Operating Ship's Windlass.*



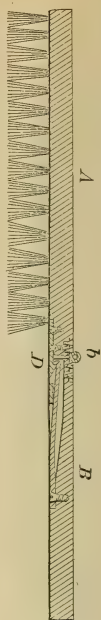
**54690**—A. C. Cooke—*Neck Yoke.*



54691—L. L. Coon—Shoemaker's Jack.



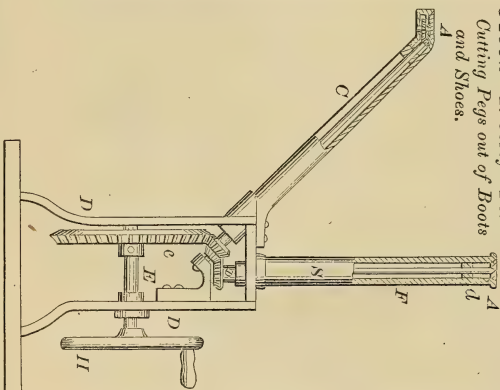
54695—C. Grosman—Folding Hair Brush.



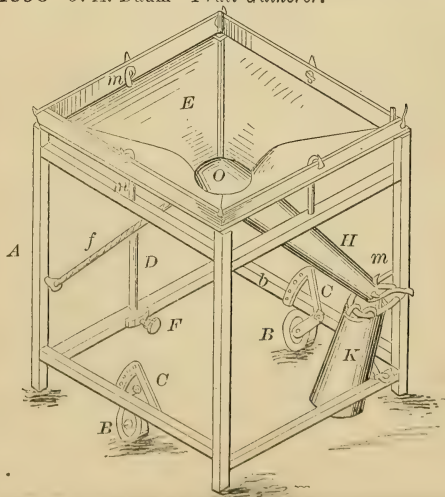
54694—R. Cox—Pipe Tongs.



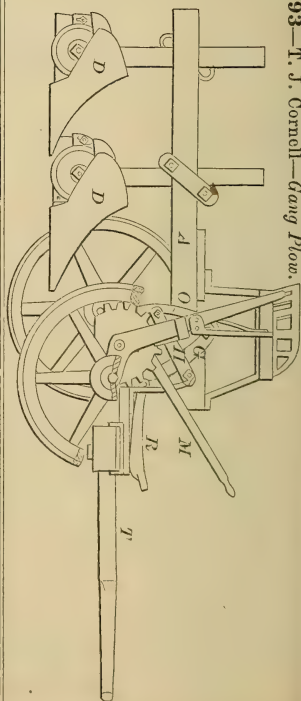
54692—T. Corey—For Cutting Pegs out of Boots and Shoes.



54696—J. A. Daum—Fruit Gatherer.

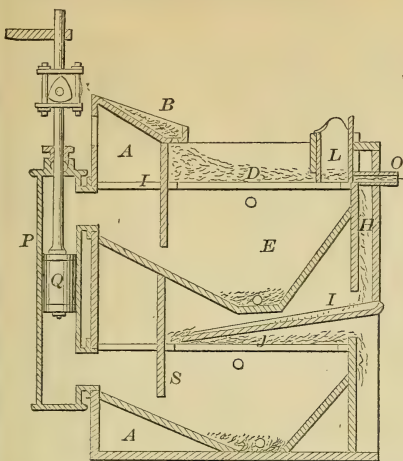


54693—T. J. Cornell—Gang Plow.

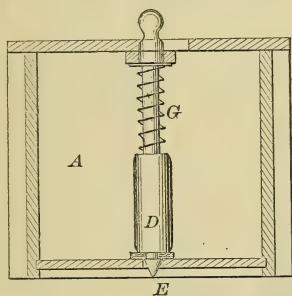




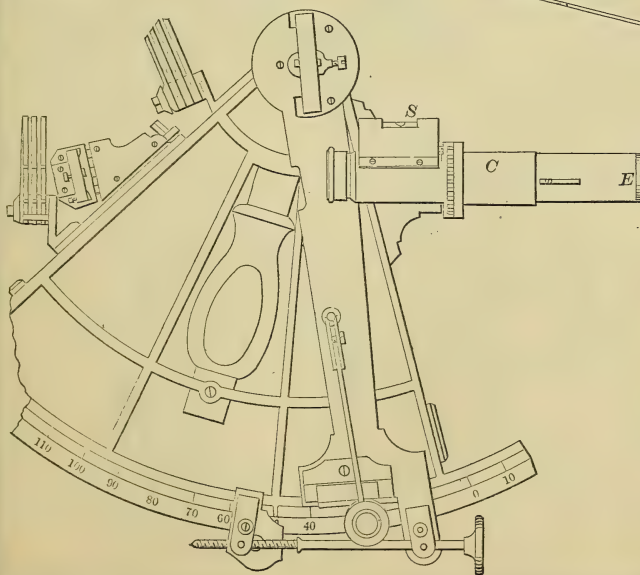
54697—T. Davey—Ore Separator.



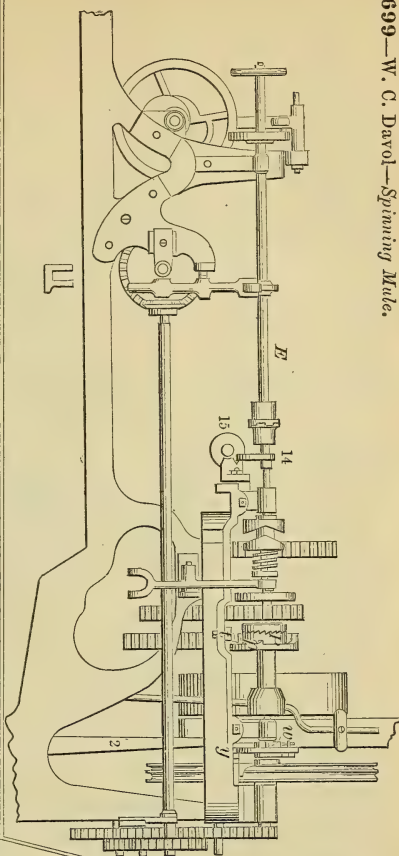
54701—E. Doty—Washing Machine.



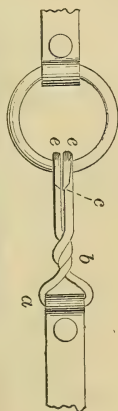
54698—G. Davidson—Sextant.



54699—W. C. Davol—Spinning Mule.

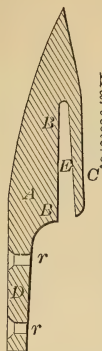


54700—G. W. Devin—Harness Stamp.

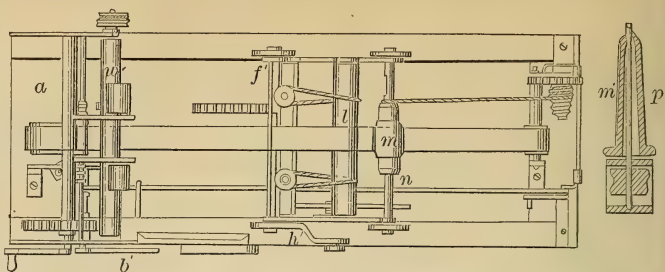


54702—R. Dutton—Guard Finger for

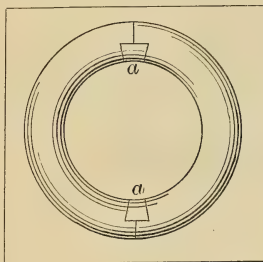
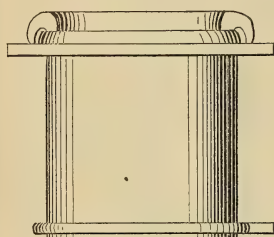
Harvesters.



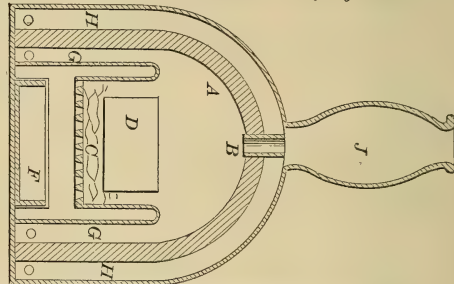
54704—W. Eberhard—Spinning Machine.



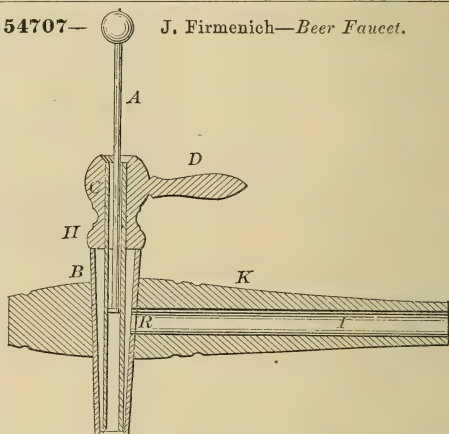
54703—G. W. Duvall—Boiler Thimble.



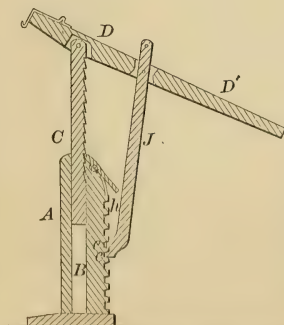
54705—G. W. Fair—Smoke Consuming Heater.



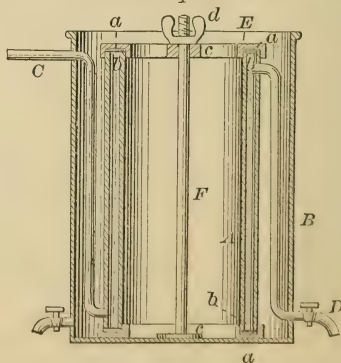
54707—J. Firmenich—Beer Faucet.



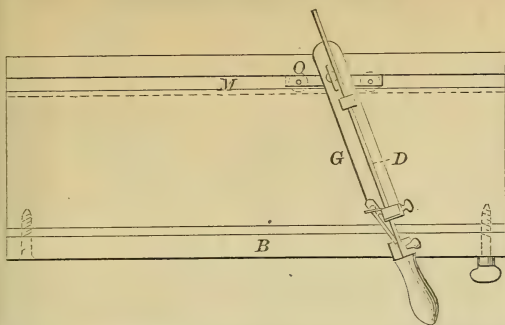
54706—D. Fasig—Lifting Jack.



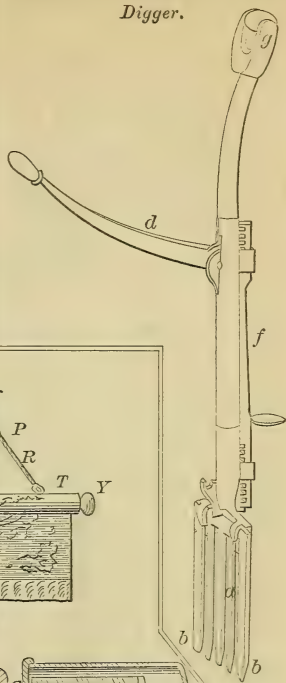
54708—A. Fischer—Liquid Cooler.



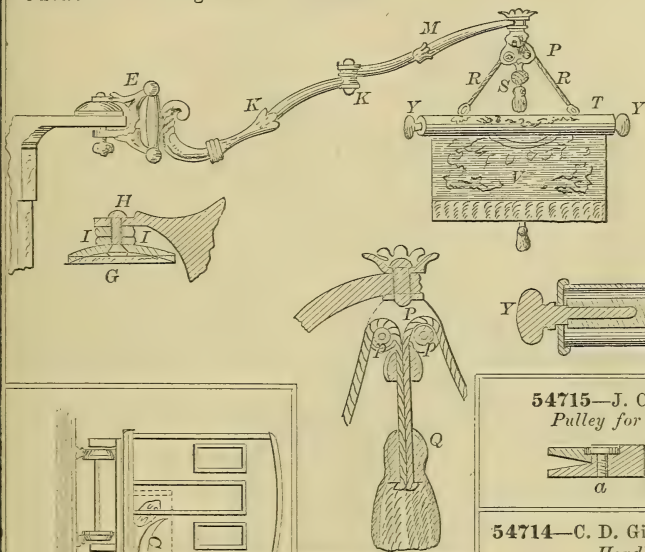
54709—Frazer & Hinchman—Saw Filing Machine.



54711—R. R. Frohock—Garden Digger.



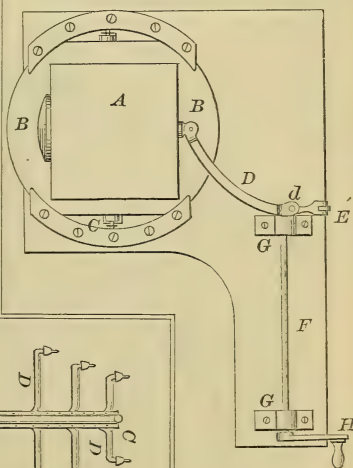
54713—H. P. Gengembre—Fire Screen.



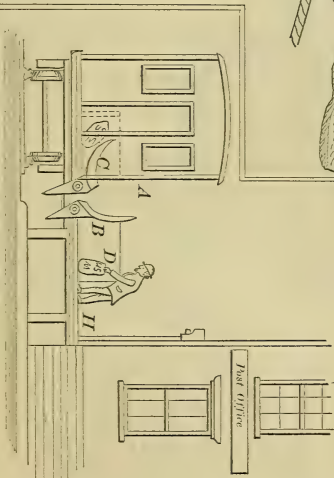
54715—J. C. Girardin—Tension Pulley for Sewing Machines.



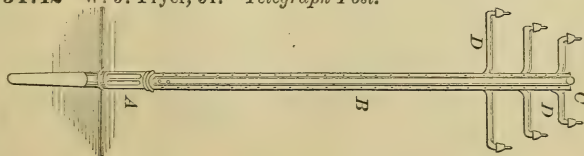
54714—C. D. Gibson—Adjustment of Headlights.



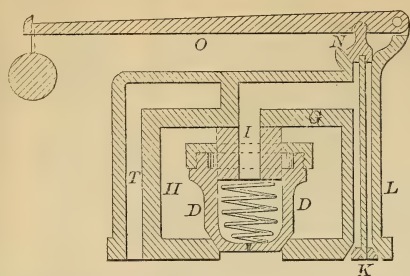
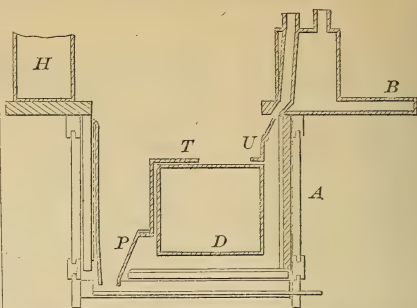
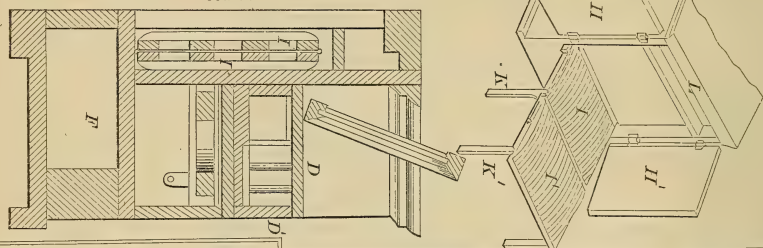
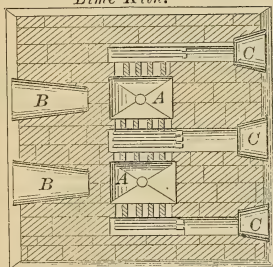
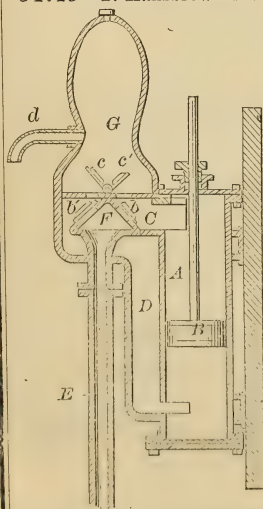
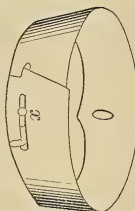
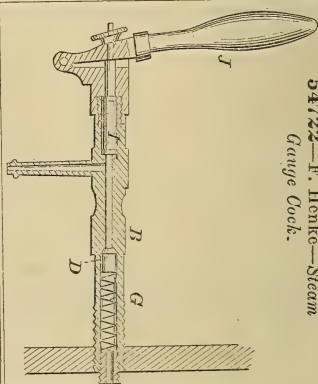
54710—Friedenburgh & Davidson—Delivering Mail Bags upon Cars.



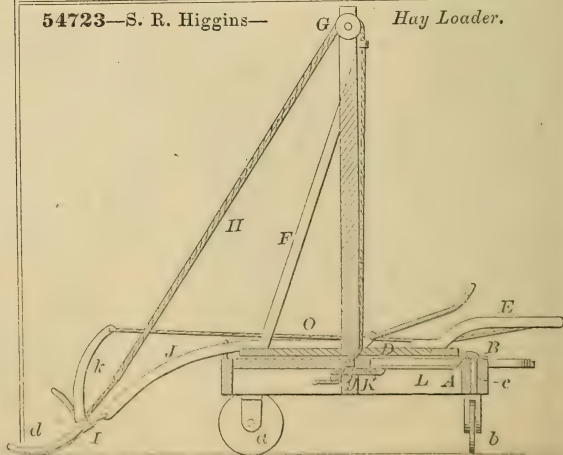
54712—W. J. Fryer, Jr.—Telegraph Post.



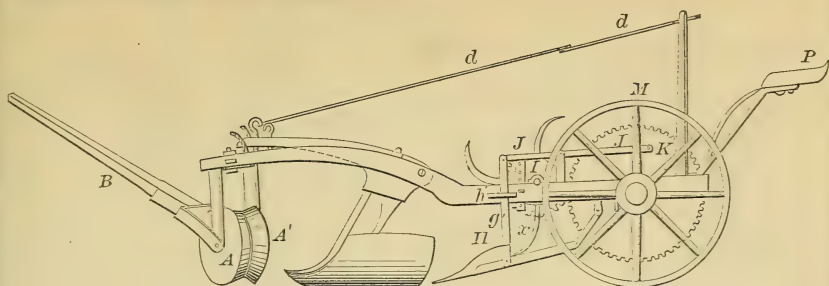


54716—V. D. Green—*Safety Valve.*54721—D. Heilig—*Cooking Stove.*54718—E. Hamburjer—*Wardrobe, Bureau, Bed, &c., combined.*54717—Griscom & Miller—*Lime Kiln.*54719—T. Hansbrow—*Pump.*54720—W. B. Harris—*Paper Collar.*54722—F. Henke—*Steam Gauge Cock.*

54723—S. R. Higgins—

*Hay Loader.*

54724—J. J. Hill—*Potato Harvester.*



54726—J. A. Hichings—*For Separating Metal from Ores.*

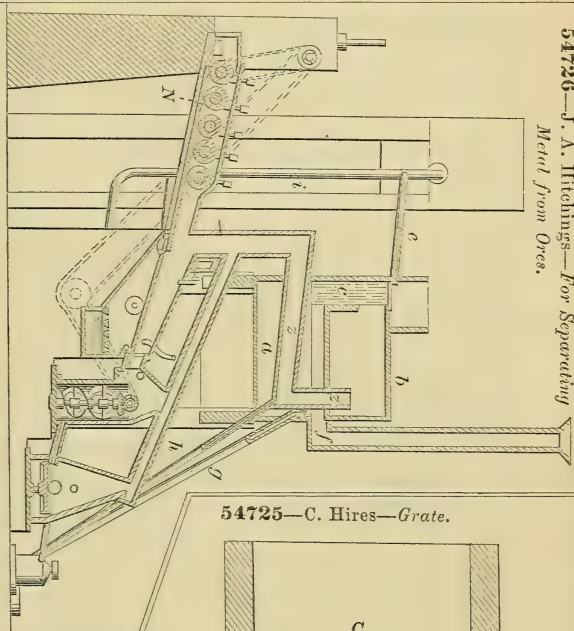
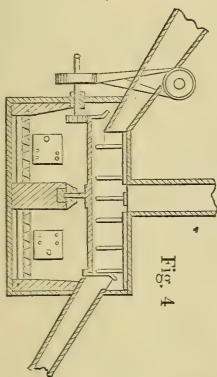
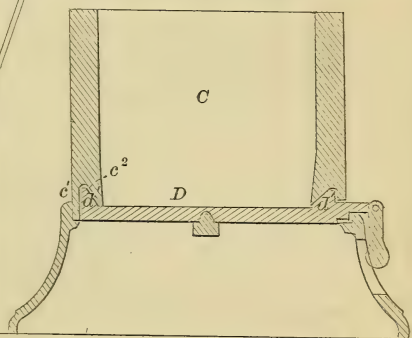


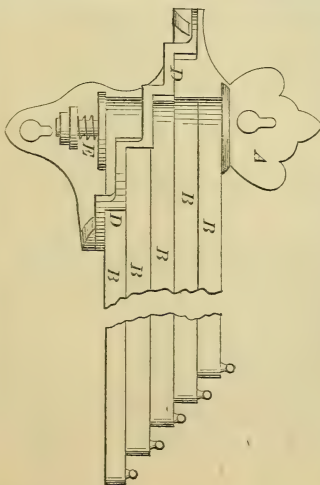
Fig. 4



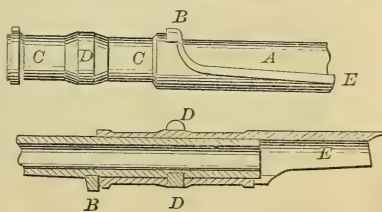
54725—C. Hires—*Grate.*

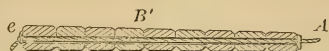
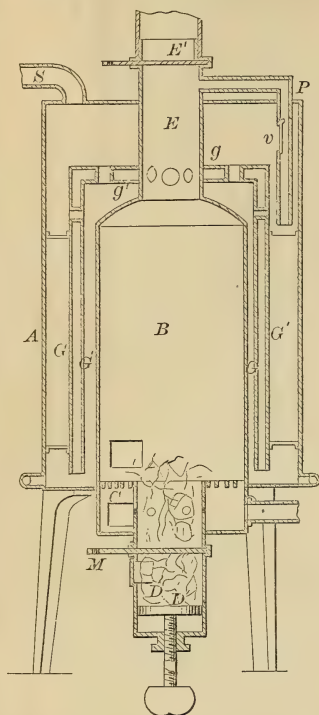
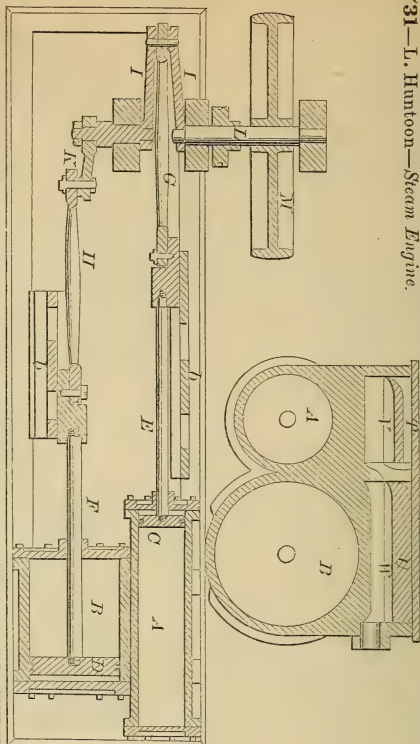
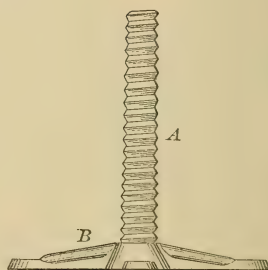
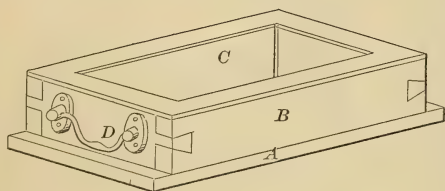
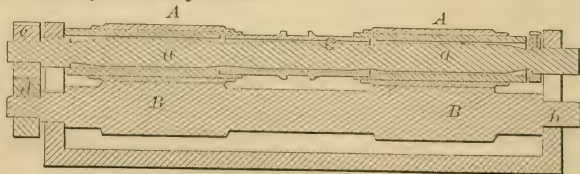


54727—M. D. Hotchkiss—*Clothes Dryer.*



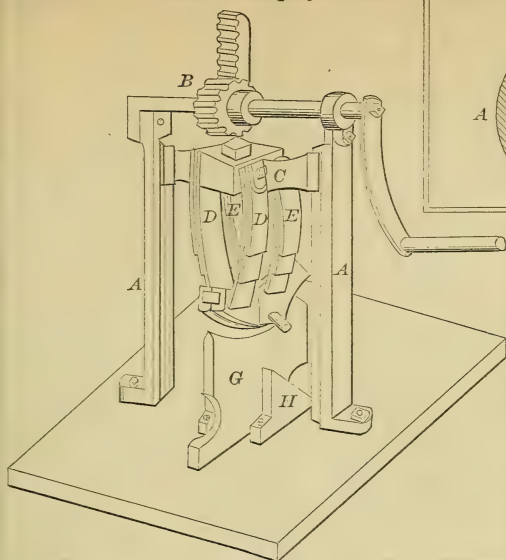
54728—C. Howard—*Bayonet Attachment.*



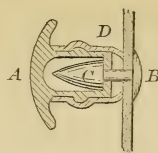
54729—E. Howe—*Tethering Halter.*54730—D. C. Howell—*Steam Generator.*54731—L. Huntton—*Steam Engine.*54733—W. A. Ingalls—*Screw for Stools, &c.*54734—T. James—*Brick Mould.*54732—D. Hussey—*Drawing Rollers.*



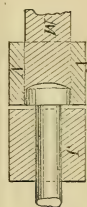
54735—J. P. Jamison—*Crimping Machine.*



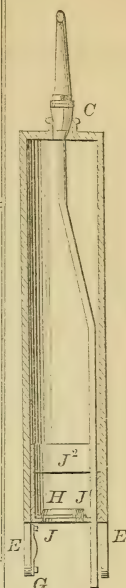
54736—J. M. Johnson—*Button.*



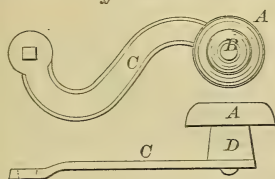
54738—C. Kane—*Die for Heading Belts.*



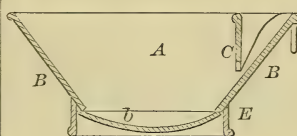
54739—J. P. Kihler—*Sand Pump.*



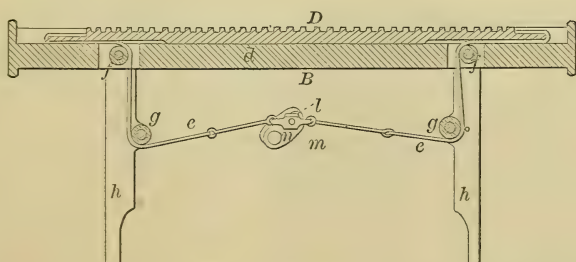
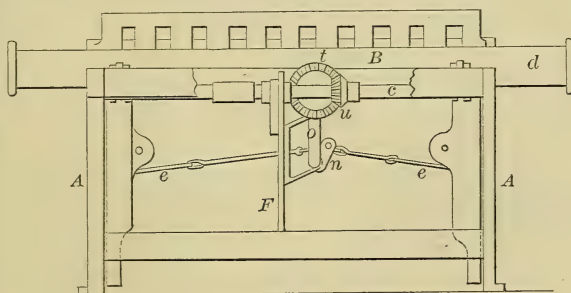
54740—J. Kinzer—*Handle for Coffee Mills.*



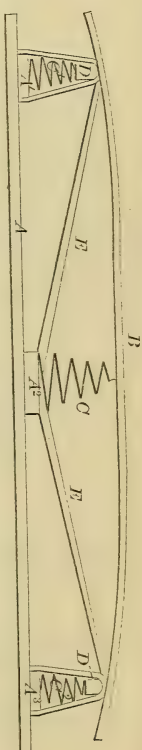
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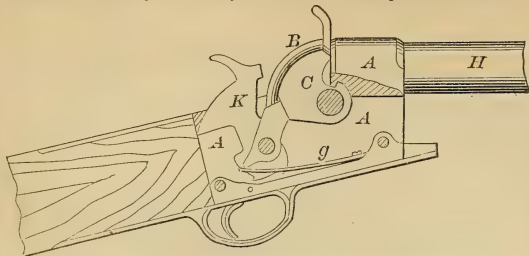
54742—L. J. Knowles—*Loom for Weaving Tapes, &c.*



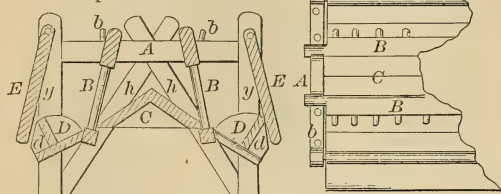
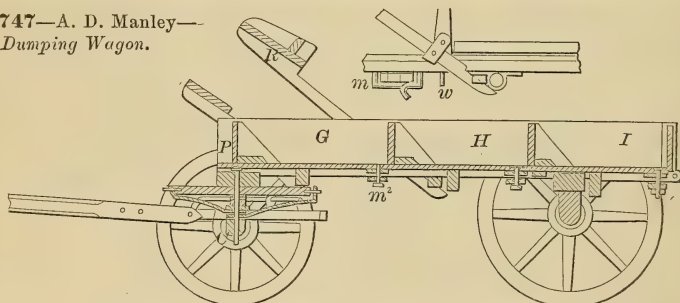
54737—W. Jones—*Bed Bottom.*



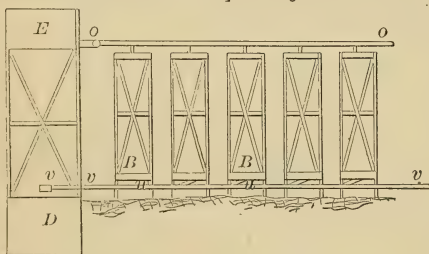
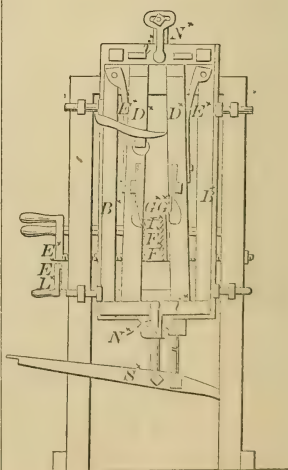
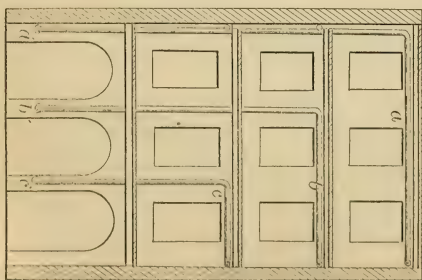
54743—Laidley &amp; Emery—Breech-Loading Fire Arm.



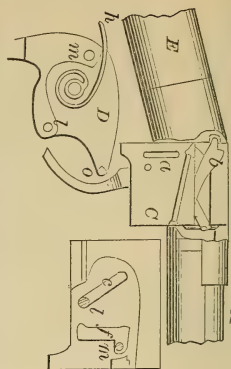
54745—R. Lovett—Cow and Sheep Rack.

54747—A. D. Manley—  
Dumping Wagon.

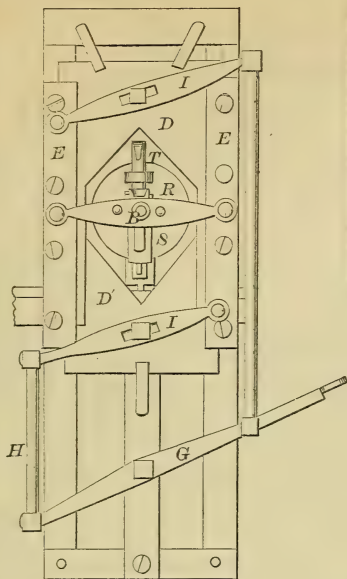
54746—O. Macdaniel—Evaporating Solutions.

54749—L. Mason—Tenoning  
Machine.54748—W. C. Marshall—  
Extinguishing Fires.

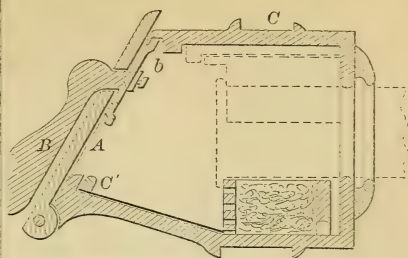
54744—J. Lee—Breech-Loading Fire Arm.



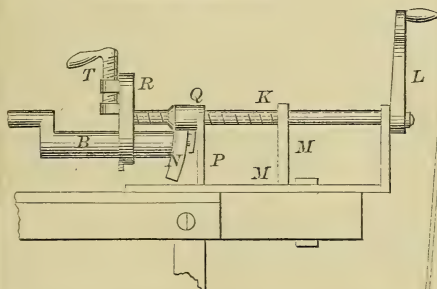
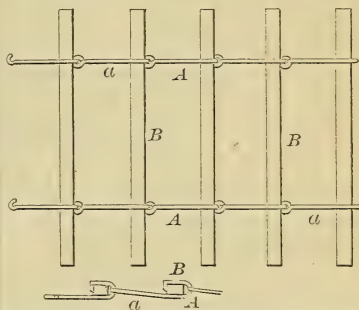
**54750**—L. Mason—*For Boring Wagon Hubs.*



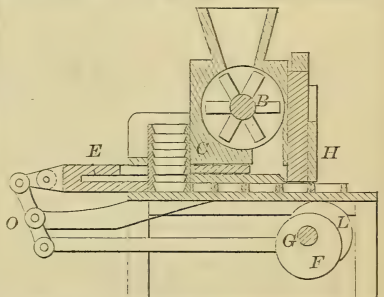
**55753**—J. Montgomery—*Axle Box.*



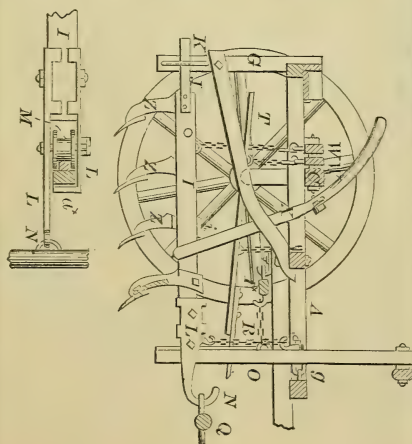
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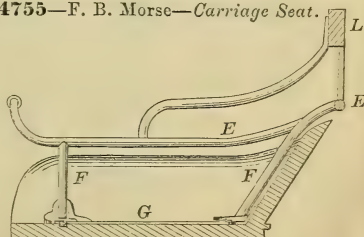
**54752**—A. R. McNair—*Brick Machine.*



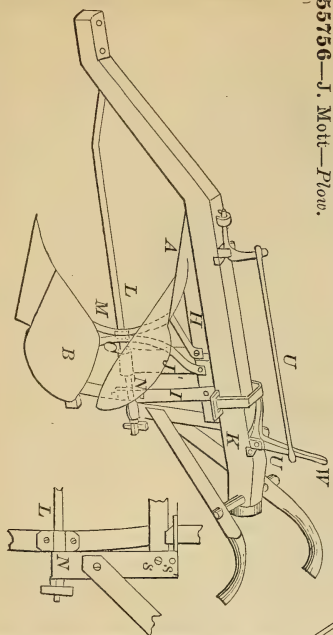
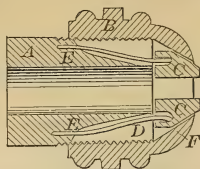
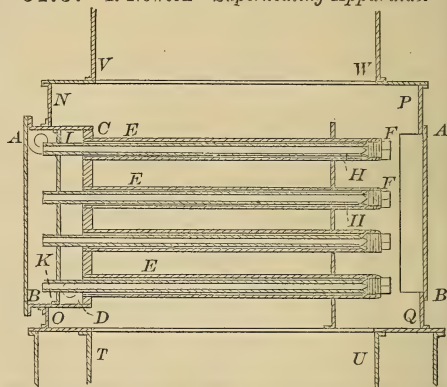
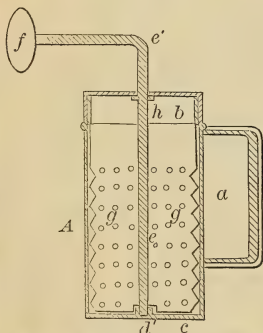
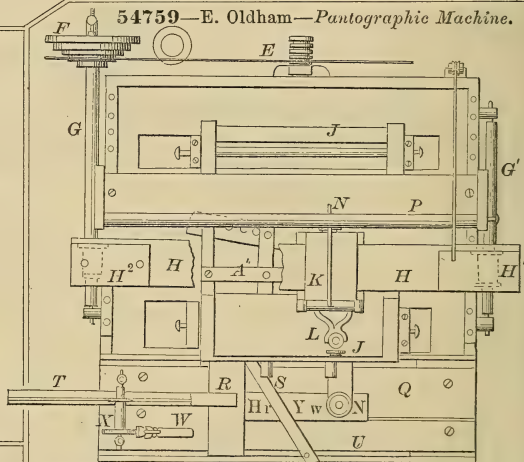
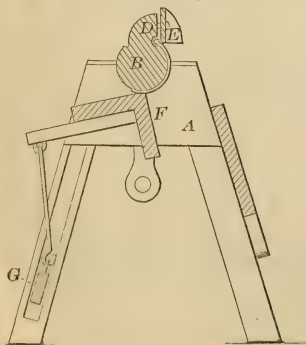
**54751**—W. McCormick—*Cultivator.*



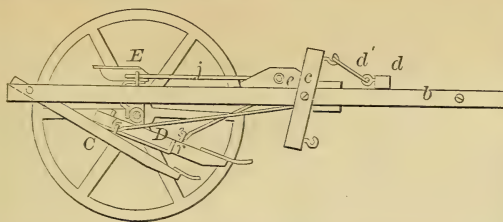
**54755**—F. B. Morse—*Carriage Seat.*



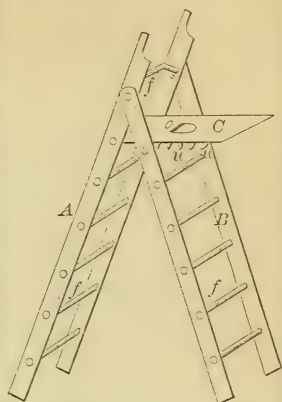


55756—J. Mott—*Flon.*55760—L. H. Olmsted—*Chuck.*54757—I. Newton—*Superheating Apparatus.*54761—Pangborn & Griffin—*Egg Beater.*54759—E. Oldham—*Pantographic Machine.*55758—O. W. Noble—*For Making Eaves Troughs.*55762—V. P. Parkhurst—*Chair.*

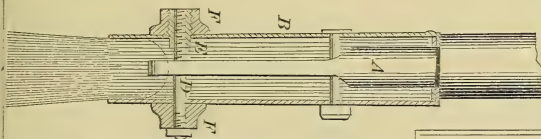
54763—Parmele & Patterson—Cultivator.



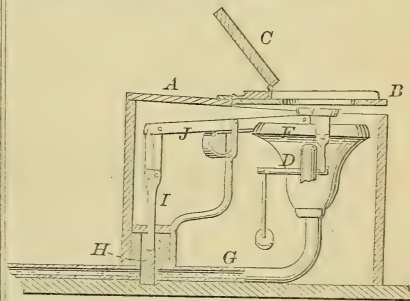
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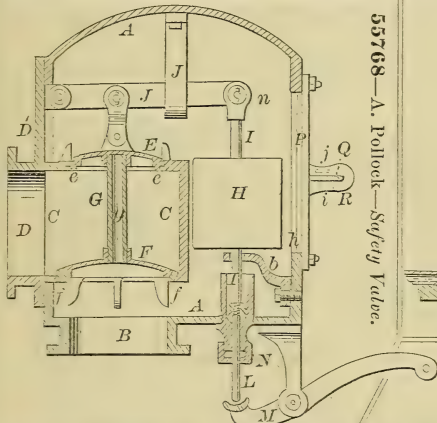
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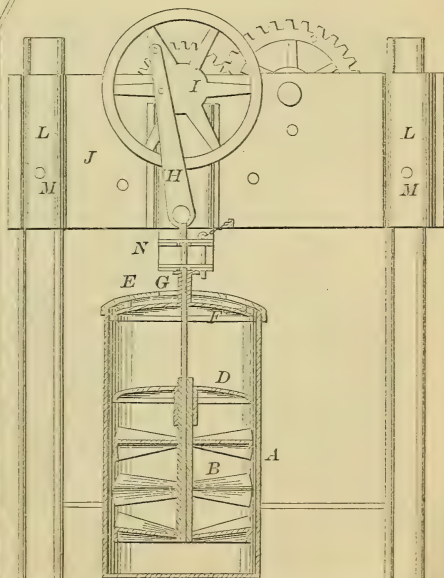
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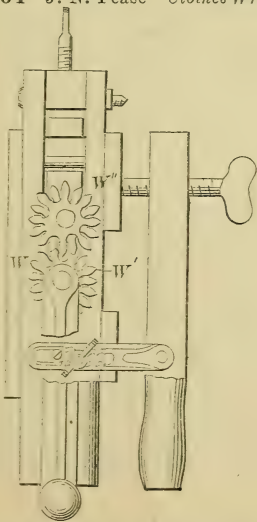
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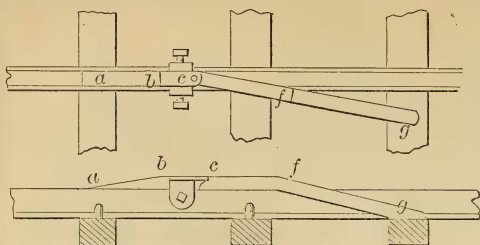
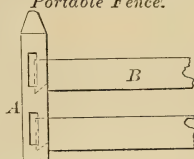
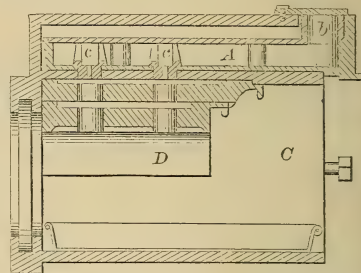
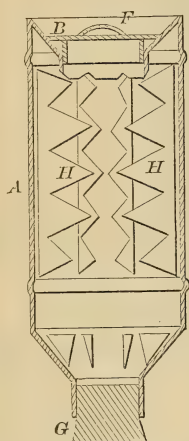
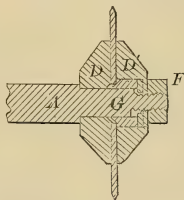
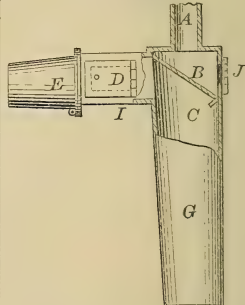
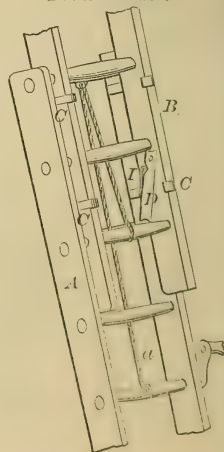
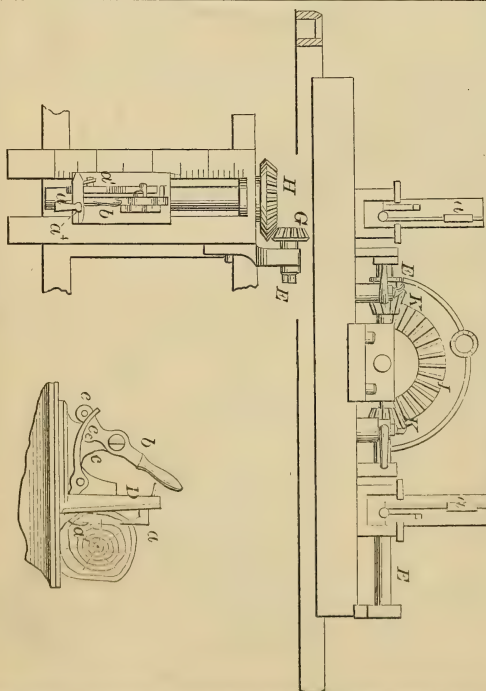


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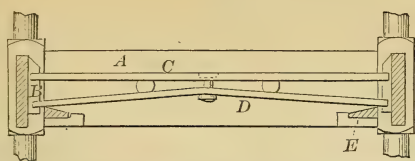
55764—J. N. Pease—Clothes Wringer.



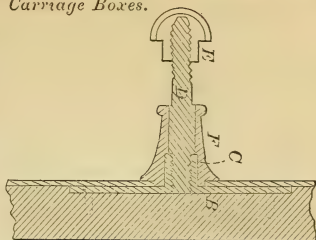
54770—T. B. Purves—*Railroad Switch.*54773—H. M. Remington—*Paper Undersleeves.*54772—J. Reedy—*Portable Fence.*54775—W. F. Rippon—*Axle Box.*54776—A. M. Robinson—*Egg Beater.*54774—A. L. Rice—*Attaching Circular Saws to Arbors.*54771—T. H. Quick—*Purifying Bone Black.*54778—A. Rogers—*Extension Fruit Ladder.*54777—G. W. Rodebaugh—*Head Block for Saw Mills.*



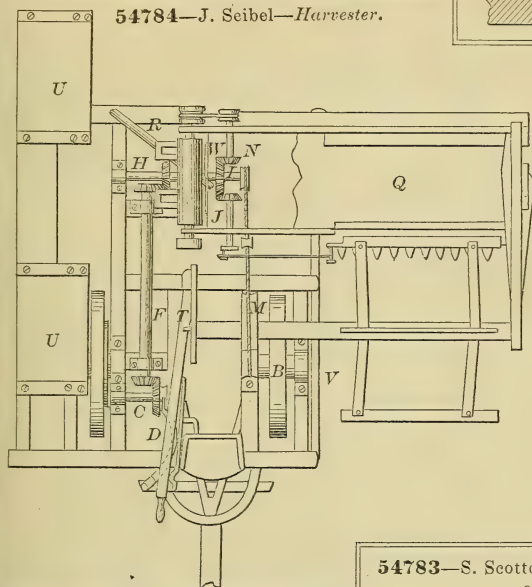
54779—J. Rouse—*Bed Bottom.*



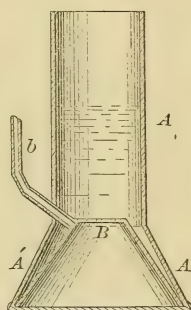
54782—L. Sawyer—*Attaching Props to Carriage Boxes.*



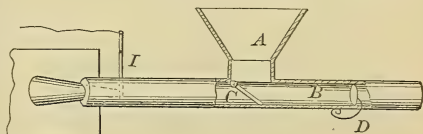
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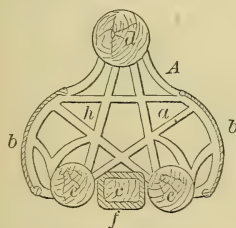
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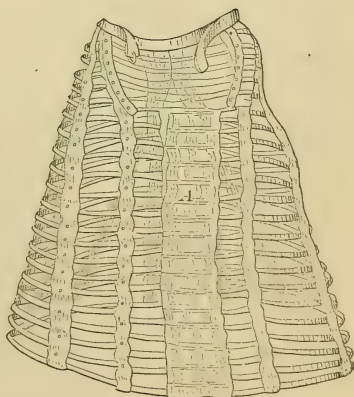
54783—S. Scotton—*For Shooting Gravel at Cows on Rail Road Tracks.*



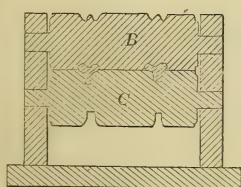
54781—W. H. Sargent—*Washing Machine.*



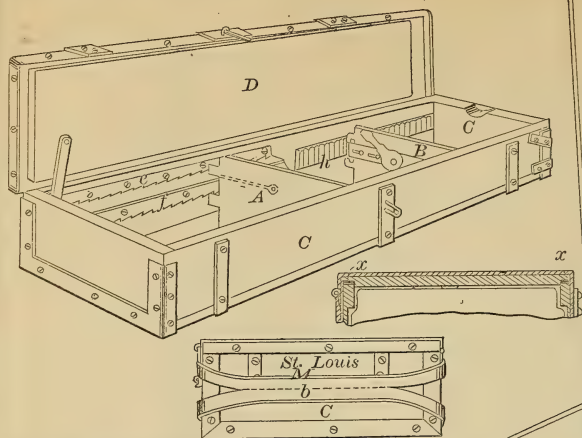
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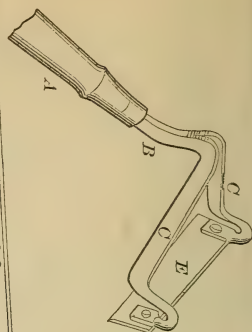
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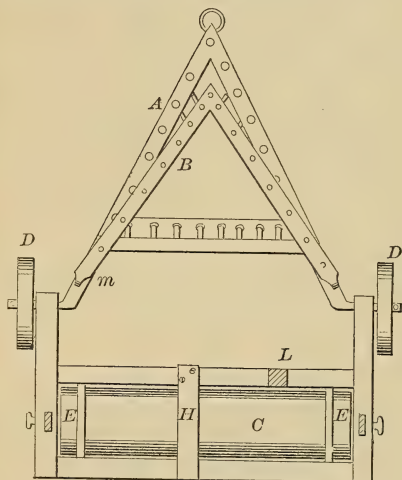
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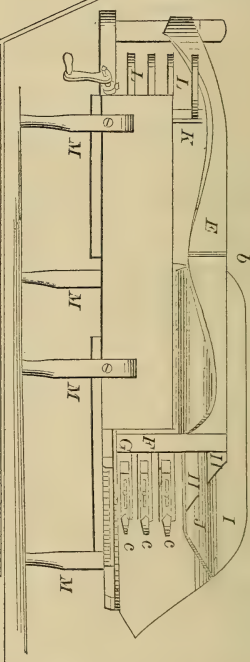
54791—A. P. Stephenson—Sorghum Stripper.



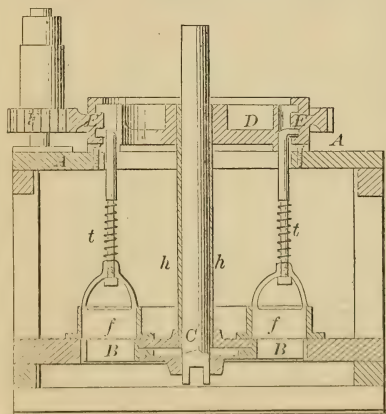
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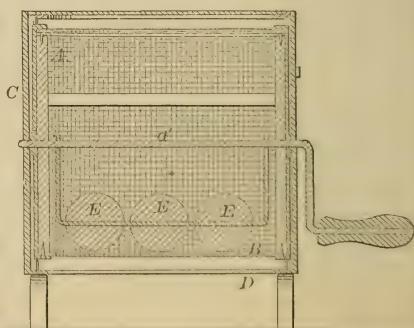
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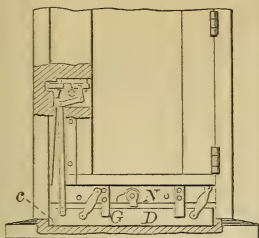
54792—C. C. Stillman—Water Wheel.



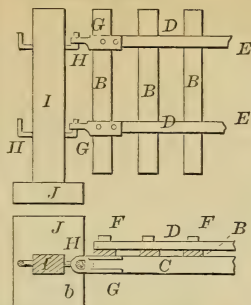
54788—E. Spencer—Flour Sifter.



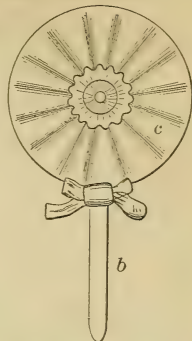
**54793**—A. E. Strobel—  
*Weather Strip for Doors.*



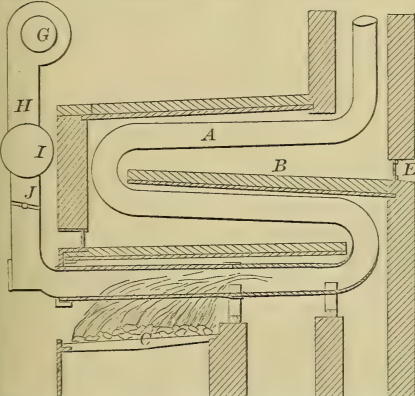
**54794**—J. Thompson—  
*Portable Fence.*



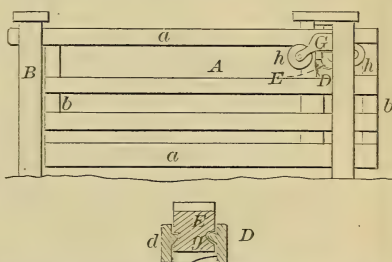
**54799**—W. H. White—  
*Fan and Parasol.*



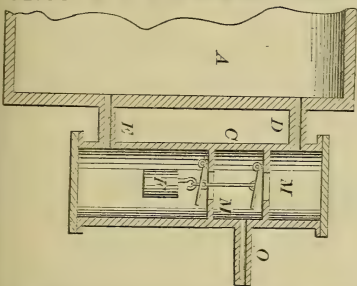
**54795**—T. Wallace—*Hot Air Furnace.*



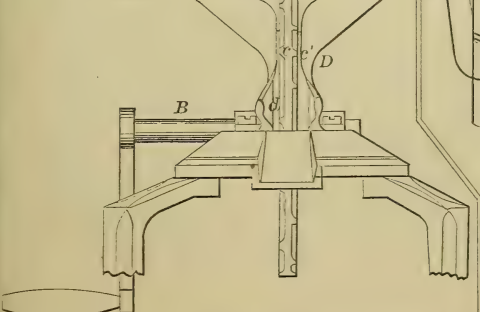
**54796**—H. M. Ward—*Gate.*



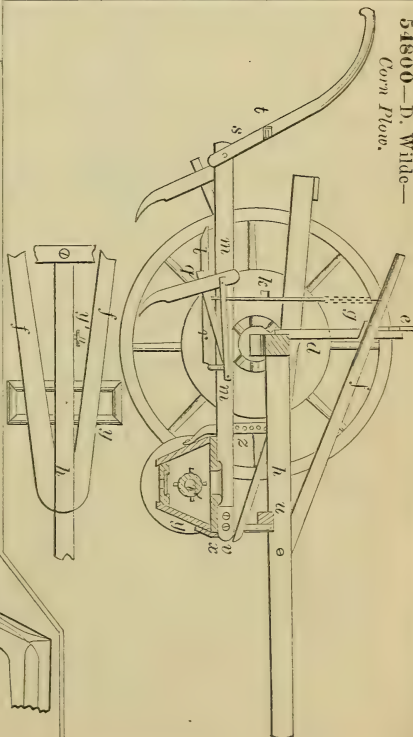
**54798**—W. S. & S. B. Wells—*Boiler Feeder.*



**54797**—W. Weaver—*Cherry Stoner.*

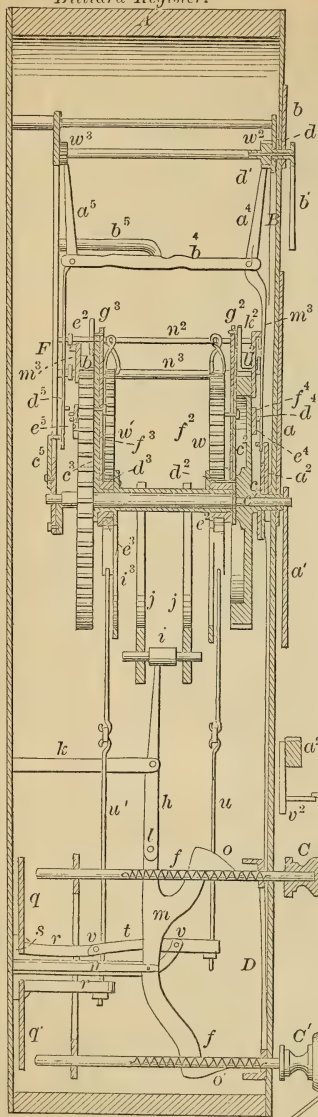


**54800**—D. Wilde—  
*Corn Plover.*

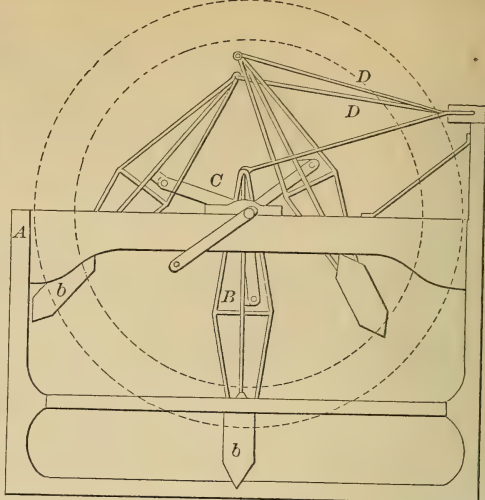




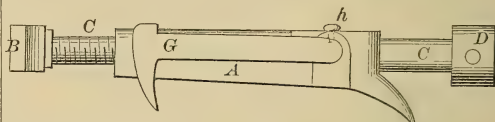
**54806**—Wirsching & Zoehle—*Billiard Register.*



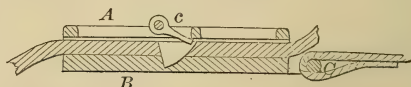
**54801**—A. A. Wilder—*Propeller.*



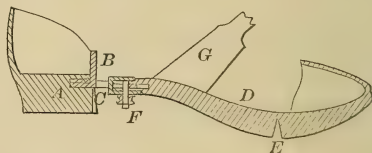
**54805**—S. C. & S. Winslow—*Floor Clamp.*



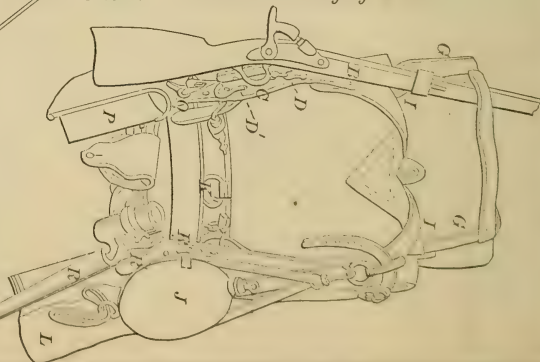
**54803**—J. J. Wilkins—*Buckle.*



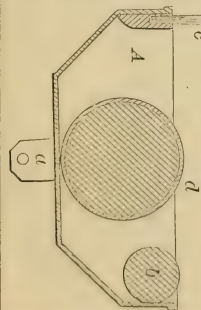
**54804**—J. M. Wilkinson—*Adjustable Sandal.*



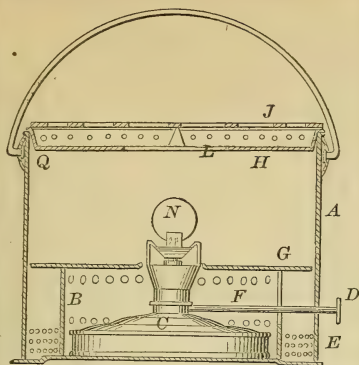
**54807**—O. E. Woods—*Slings Arms.*



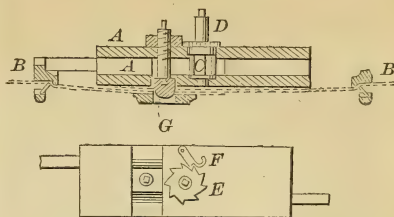
**54802**—M. H. Wiley—*Washing Apparatus.*



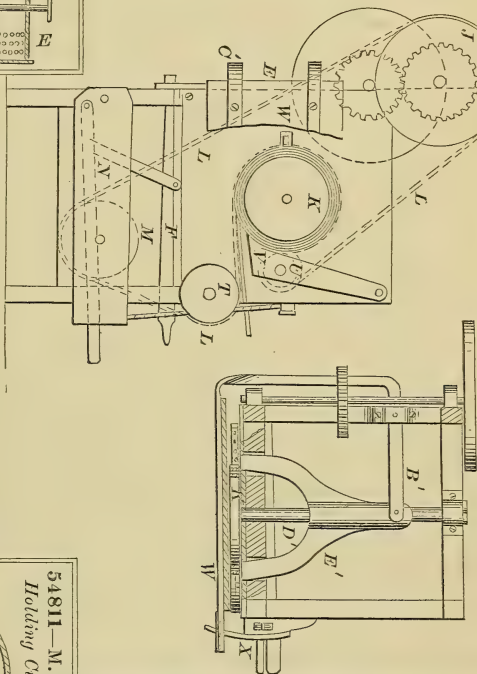
54808—M. B. Wright—Foot Stove.



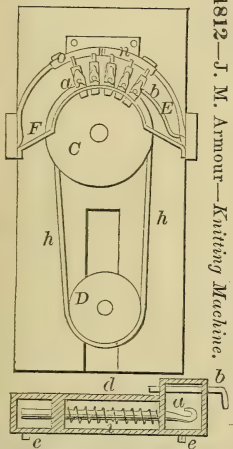
54810—R. S. Adams—For Securing Hoops of



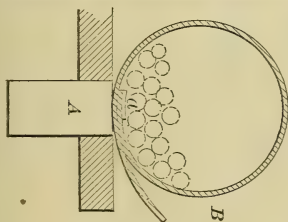
54809—L. Zitsel—For Coiling Hoops of Wood.



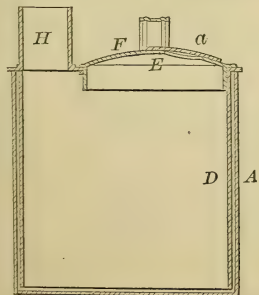
54812—J. M. Armour—Knitting Machine.



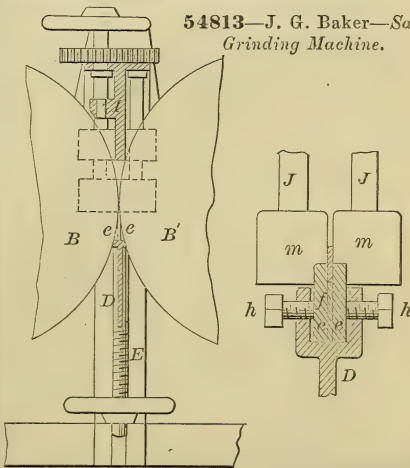
54811—M. Ali—Clamp for Holding Cigars for Tying.



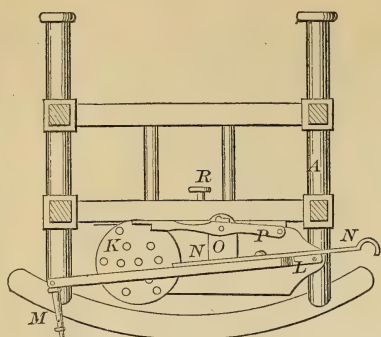
54814—A. N. Beach—Heating Stove.



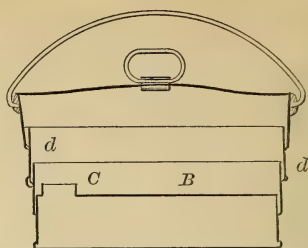
54813—J. G. Baker—Saw Grinding Machine.



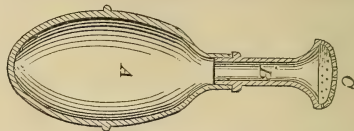
54815—B. Brazelle—Self-Rocking Cradle.



54817—D. Howarth—Dinner Pail.



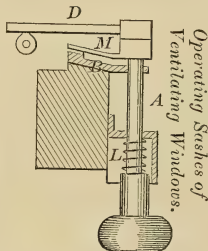
54819—M. Moriarty—Clothes Sprinkler.



54820—A. G. Page—Pipe Tongs.

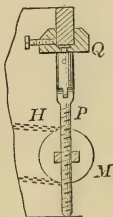
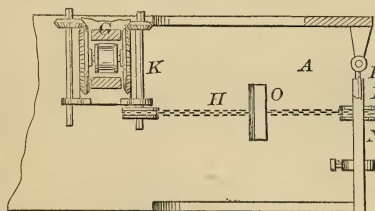


54818—E. Lockwood—

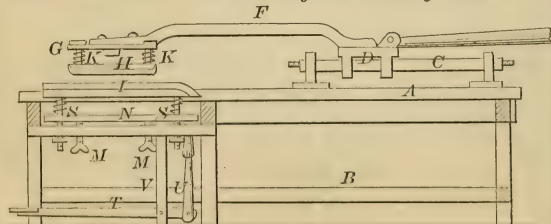


Operating Sashes of Ventilating Windows.

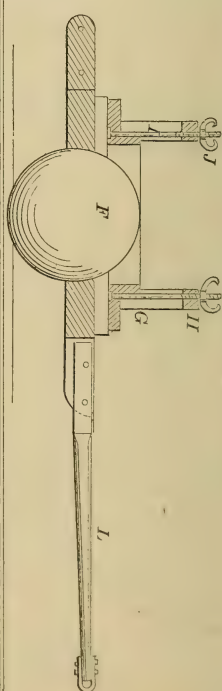
54822—J. T. Parbour—Grain Elevator.



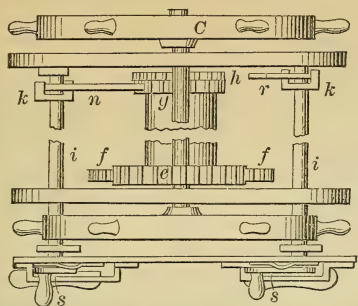
54821—J. Parker—For Boarding and Graining Leather.



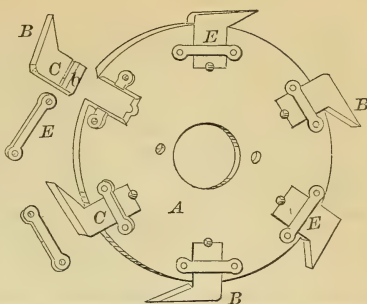
54823—Rees &amp; Graham—Ditching Machine.



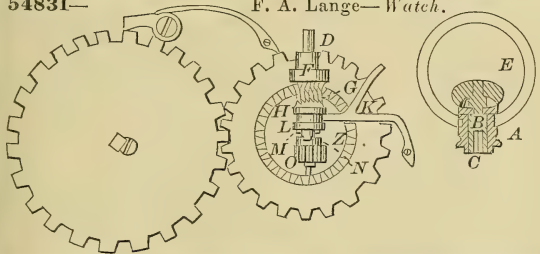


54824—E. A. Turner—*Steering Apparatus.*

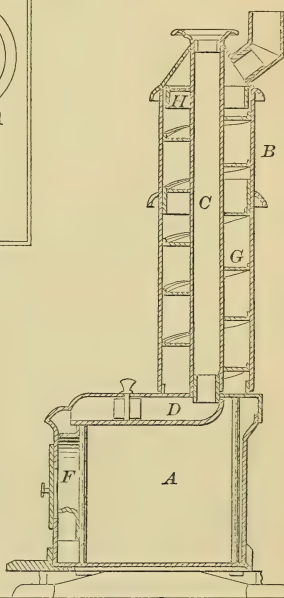
54827—J. Woodrough—*Saw.*



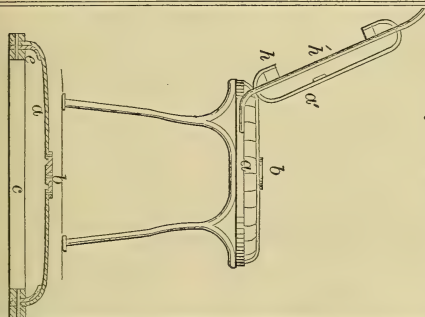
54831—  F. A. Lange—*Watch.*



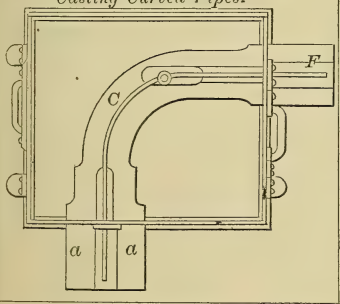
54830—R. Eaton—Store for Cars.



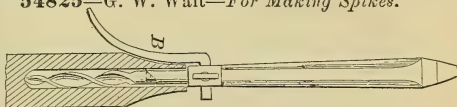
54828—F. Carre<sup>1</sup>—Seat and  
Back for Chairs.



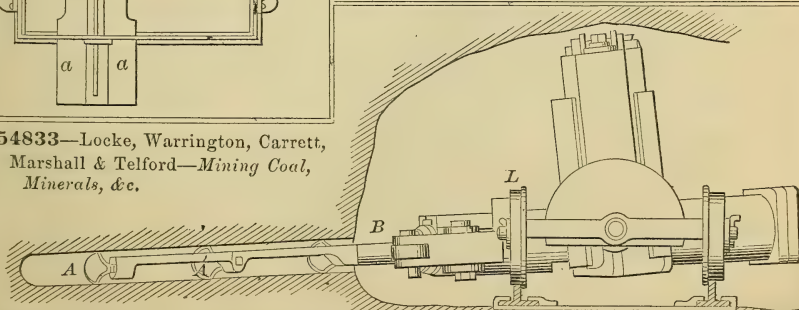
54826—S. Williams—*Mould for Casting Curved Pipes.*

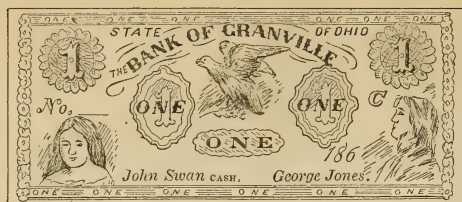
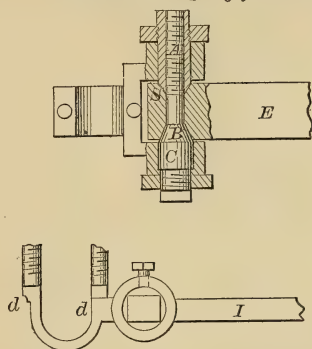
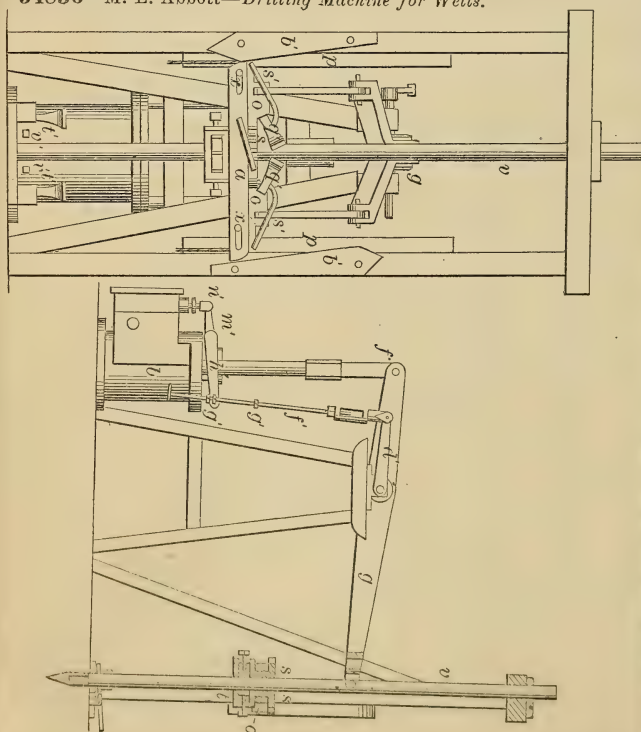
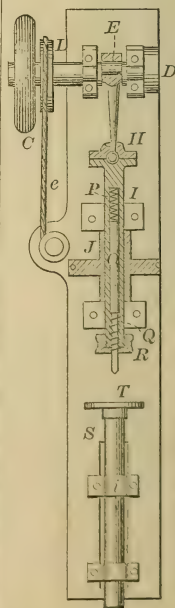


54825—G. W. Wait—*For Making Spikes.*

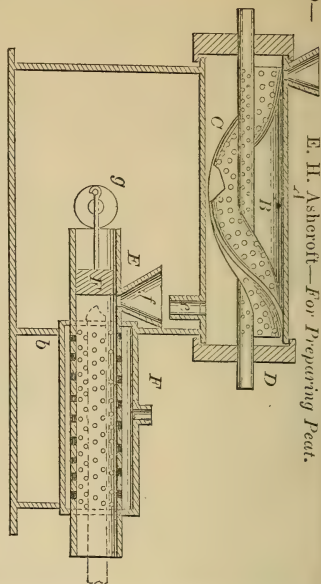


54833—Locke, Warrington, Carrett,  
Marshall & Telford—*Mining Coal,*  
*Minerals, &c.*

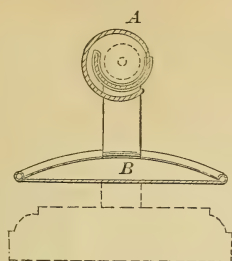


54834—G. T. Jones—*Manufacturing Bank Notes.*54840—C. H. Bassett—*Coupling for Carriage Thills.*54836—M. E. Abbott—*Drilling Machine for Wells.*54837—J. Adt—*Riveting Machine.*

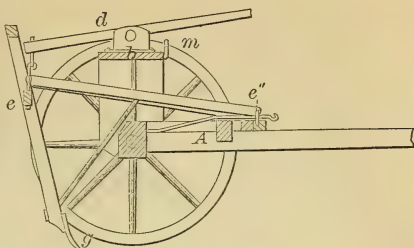
54839—

E. H. Ashcroft—*For Preparing Peat.*

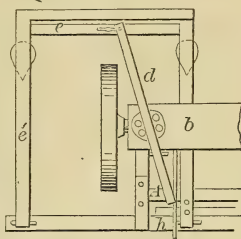
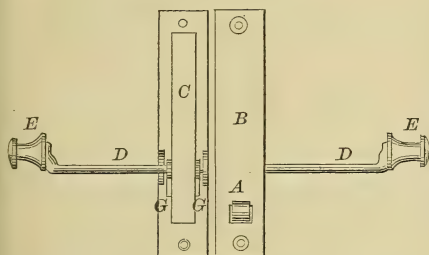
54841—J. R. Batey—*Hand Protector for Sad Irons.*



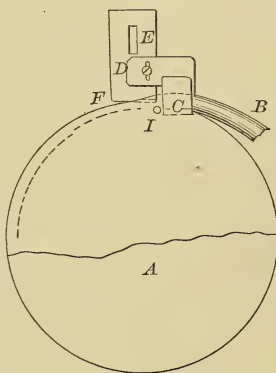
54842—F. M. Birdsall—*Furrowing Machine.*



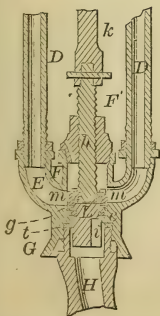
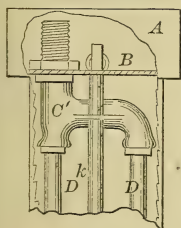
54843—E. S. Bitner—*Sash Fastening.*



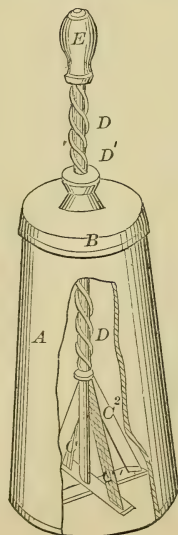
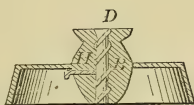
54844—H. E. Bodwell, Jr.—*Sewing Machine Guide for Stitching Hats.*



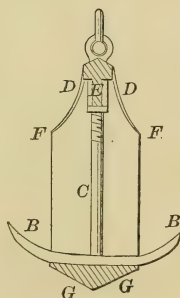
54845—B. P. Bower—*Hydrant.*



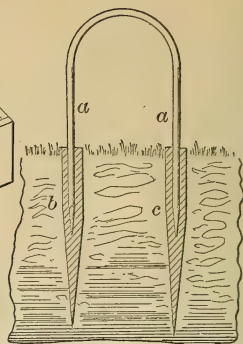
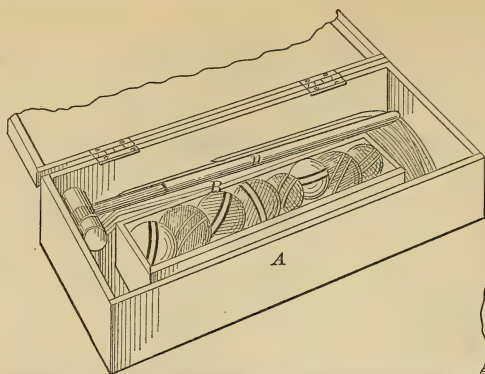
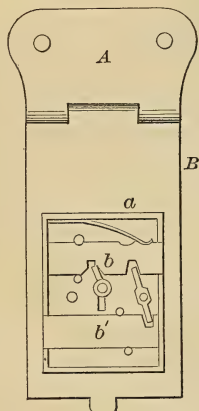
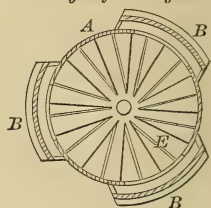
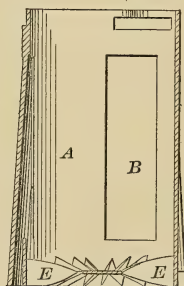
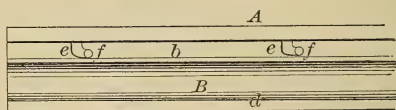
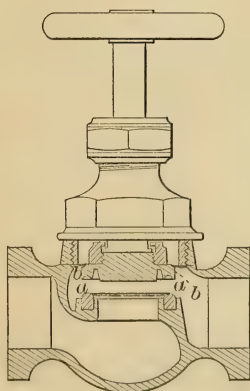
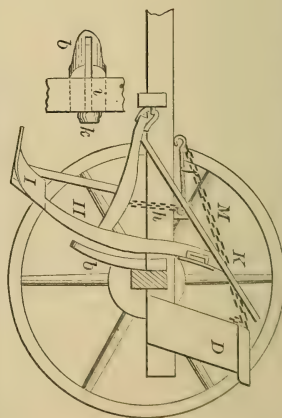
54846—J. C. Bridgman—*Churn.*



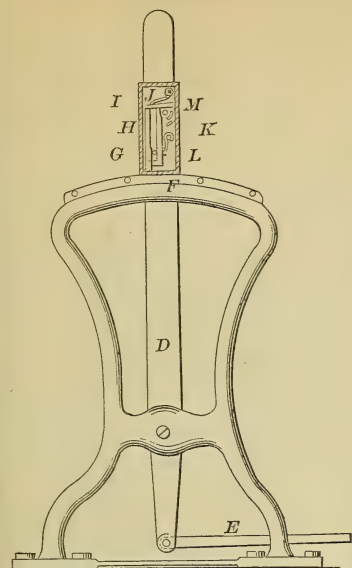
54847—C. F. Brown—*Anchor.*



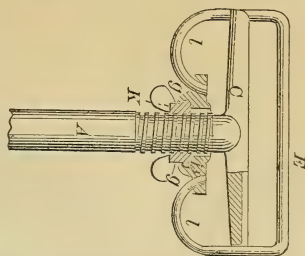


54848—L. & M. Bradley—*Croquetrie.*54849—T. S. Brown—*Trunk Lock.*54850—P. Budenbach—*Headlight for Engines.*54853—Butterfield & Green—*Railroad Rail.*54851—Burnett & Comstock—*Steam Valve.*54852—E. G. Burnham—*Ice Pick.*54854—H. F. Byerly—*Cultivator.*

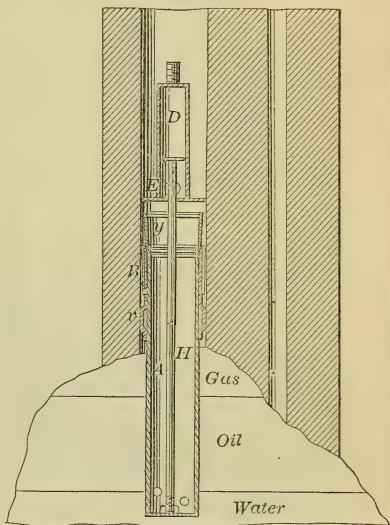
54855—C. E. Byers—*Switch Stand for Railroads.*



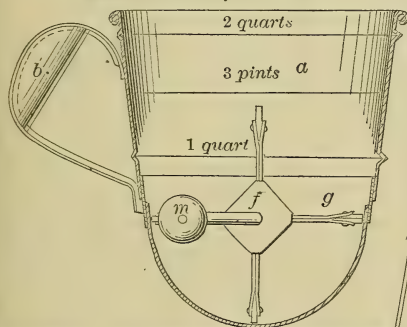
54860—Clark & Garretsen—*Mop Head.*



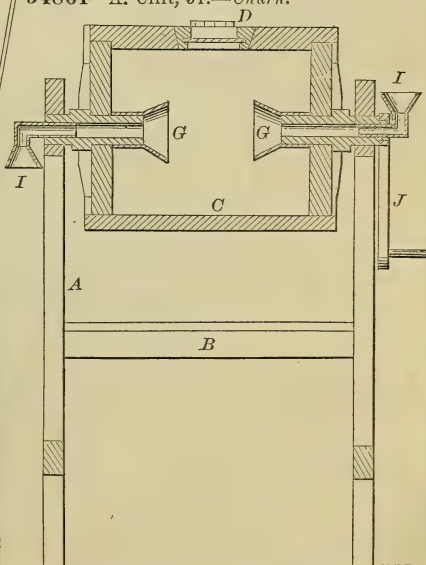
54859—J. B. Christian—*For Inducing the Flow of Oil.*



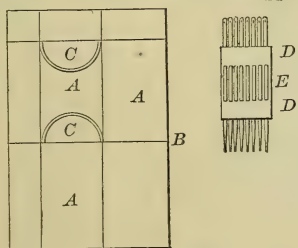
54857—G. C. Carver—*Flour Dipper, Measurer and Sifter.*



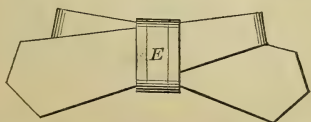
54861—A. Clift, Jr.—*Churn.*



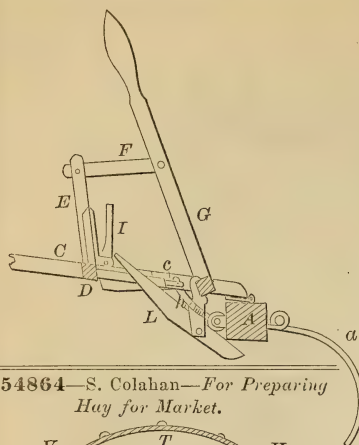
54856—W. Byfield—*Needle Wrapper.*



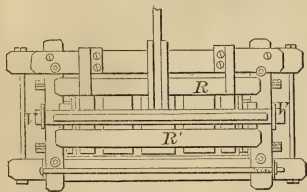
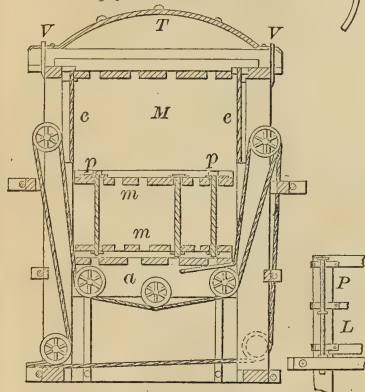
54858—E. Child, Jr.—*Paper Necktie.*



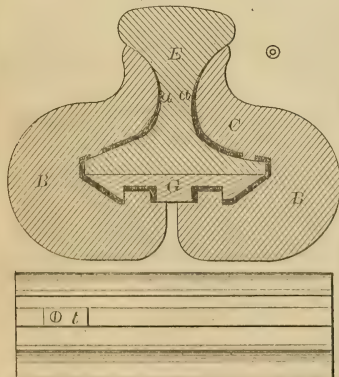
54862—Clinton &amp; Munson—Horse Rake.



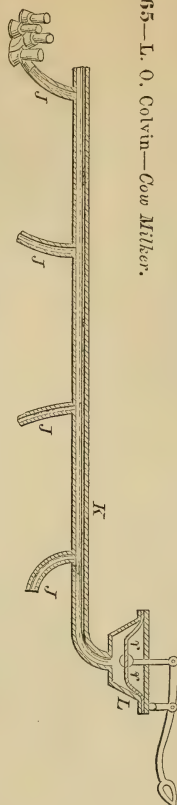
54864—S. Colahan—For Preparing Hay for Market.



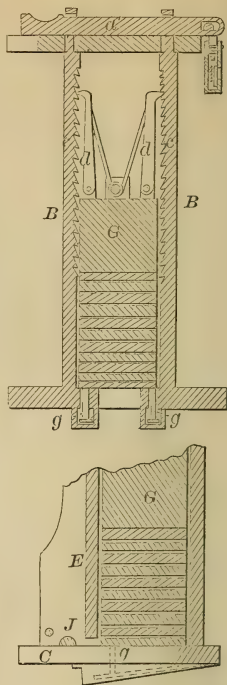
54868—D. W. Crocker—Railway Chair.



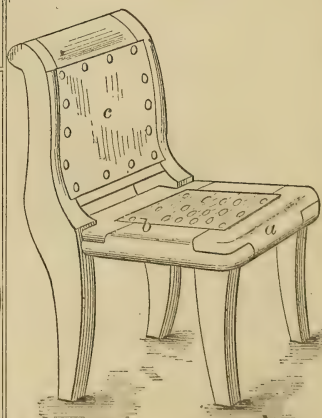
54865—L. O. Colvin—Cow Milker.



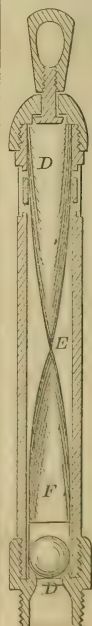
54866—J. P. Conkling—Detecting Check Box.



54863—J. W. Cochran—Chair, Sofa, and Car Seat.

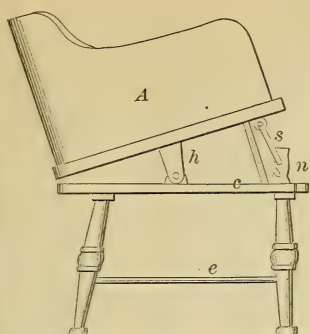


54867—R. Cornelius—Sand Pump.

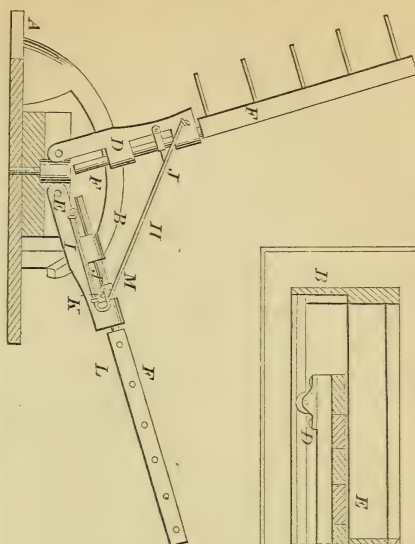




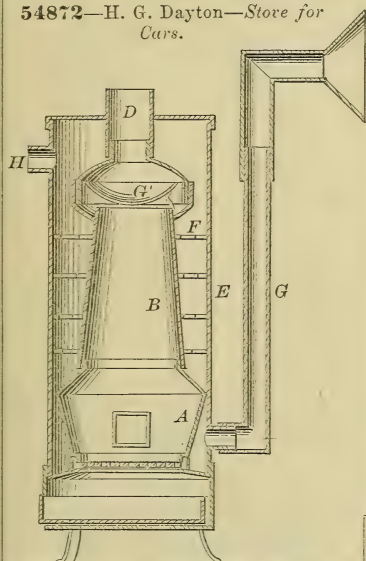
54869—M. C. Cronk—Chair.



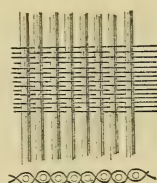
54871—C. F. Davis—Harvester Rake.



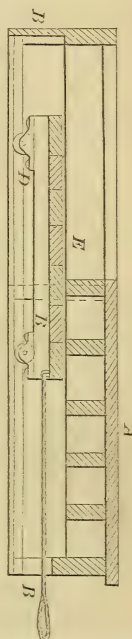
54872—H. G. Dayton—Store for Cars.



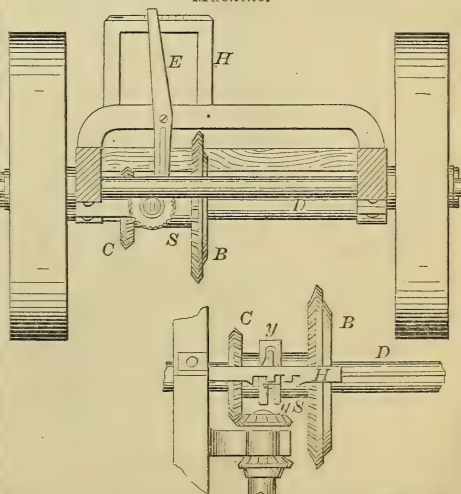
54870—J. W. Crossley—Making Pile Fabrics.



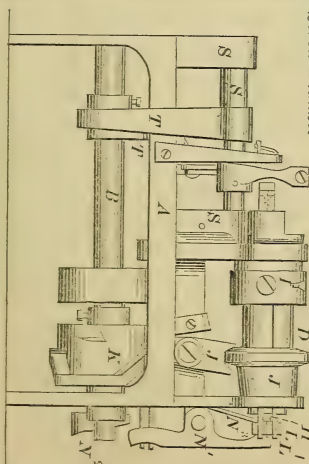
54874—M. S. Briggs—Hatchery Door.

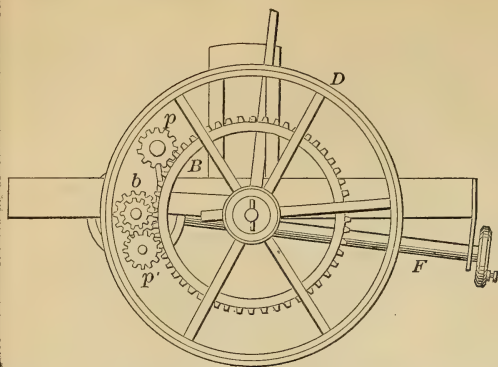
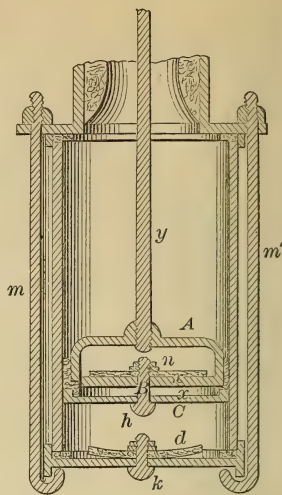
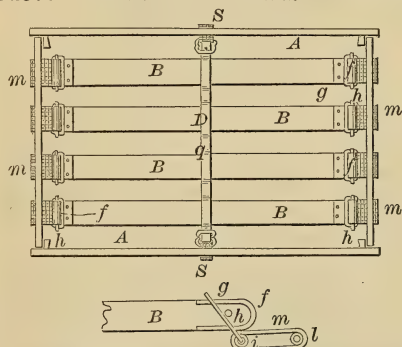
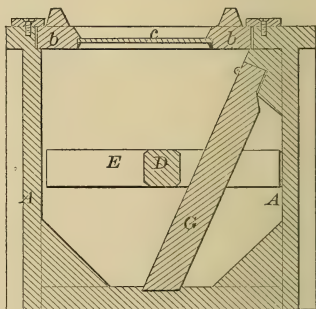
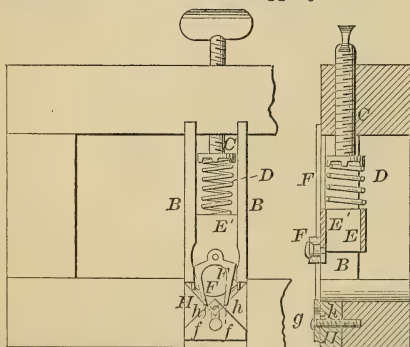
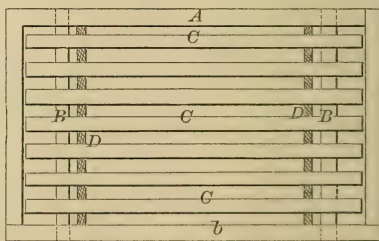
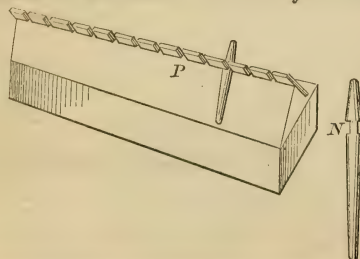


54875—M. Easterbrook—Reaping and Mowing Machine.

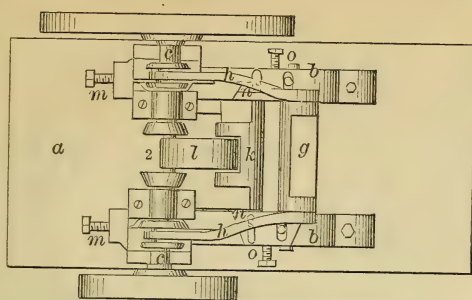


54873—J. Dennis, Jr.—For Turning and Pointing Screw Blanks.

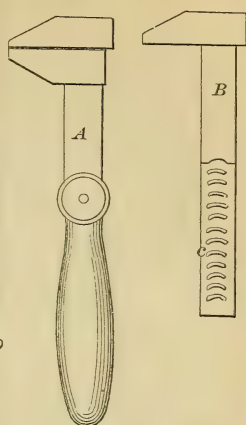


54876—M. Easterbrook, Jr.—*Harvester.*54881—N. T. Fogg—*Pump.*54877—T. Falloon—*Bed Bottom.*54878—B. S. Fletcher—*Churn.*54880—D. C. Flint—*For Stripping Cane.*54879—J. H. Fletcher—*Bed Bottom.*54882—G. F. Foote—*Tool Holder for Dentists.*

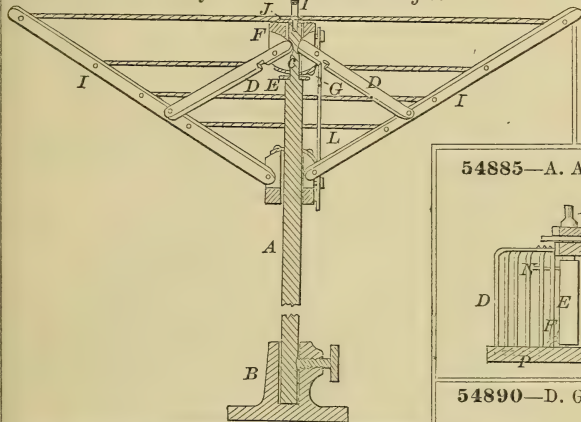
54884—J. Fowler—*Ore Crusher.*



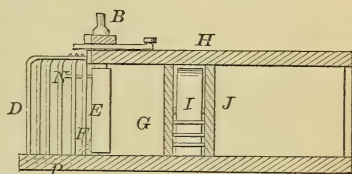
54888—G. P. Ganster—*Wrench.*



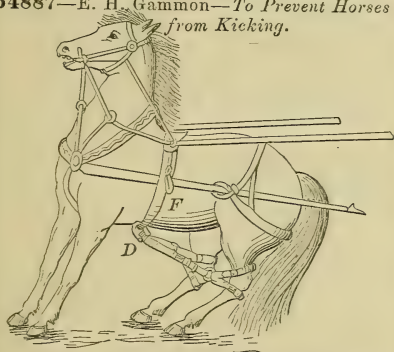
54886—W. Galaway—*Clothes Dryer.*



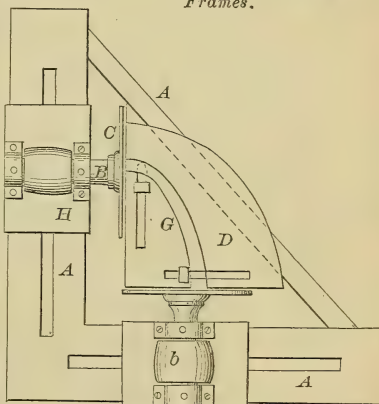
54885—A. A. Fradenburg—*Animal Trap.*



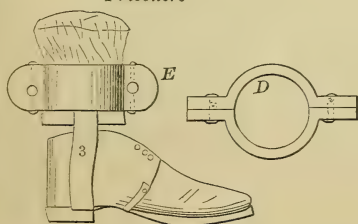
54887—E. H. Gammon—*To Prevent Horses from Kicking.*



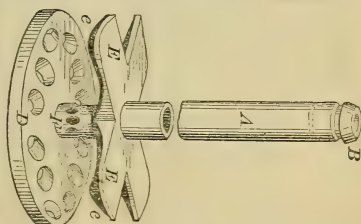
54890—D. Garrison—*For Jointing Oval Frames.*



54889—J. C. Gardner—*Shackles for Prisoners.*



54891—J. Gelston—*Churn Dasher.*

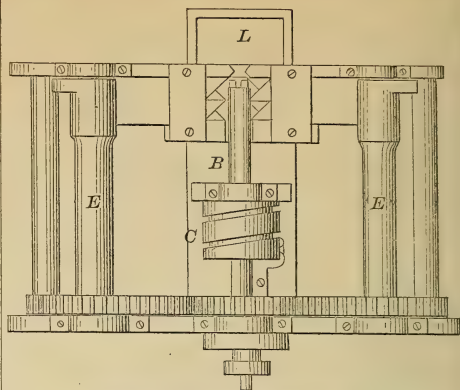




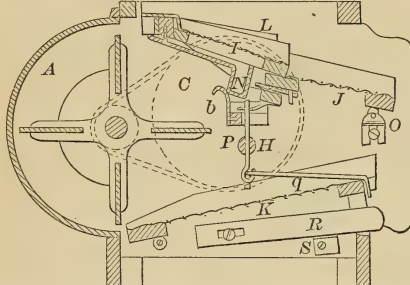
54892—F. A. Gleason—*Washing Machine.*



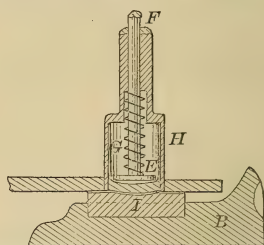
54893—Grier & Boyd—*For Making Auger Bits.*



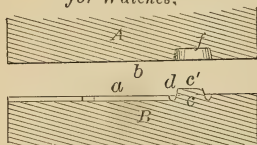
54895—P. Griswold—*Grain Separator.*



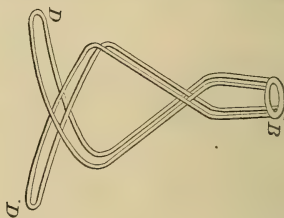
54896—G. Hammer—*For Cutting Corks.*



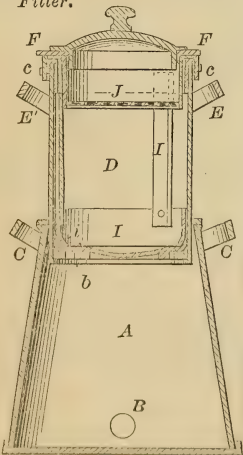
54898—G. Hastings—*Die for Swaging Hands for Watches.*



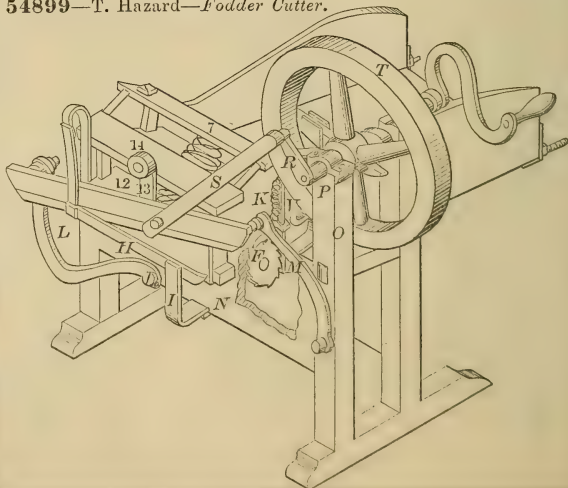
54897—A. L. Harwood—*Broom Clamp.*



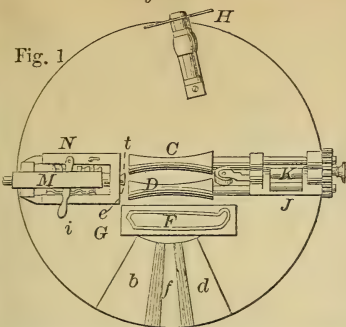
54894—F. P. Griffiths—*Filter.*



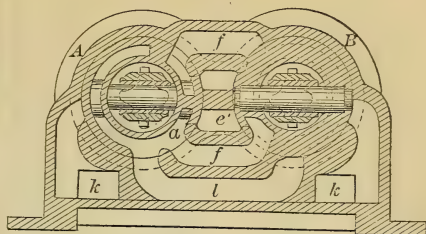
54899—T. Hazard—*Fodder Cutter.*



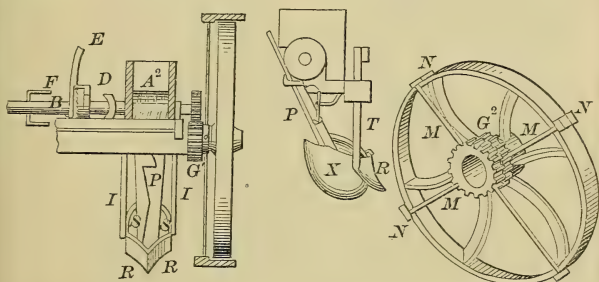
54900—I. A. Heald—For Making Cigars.



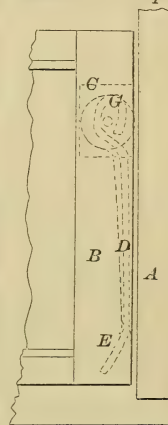
54906—W. Cleveland—Steam Engine.



54901—J. L. Heisey—Corn and Seed Planter.



54903—F. Henshaw—Window Sash Spring.



54904—M. Hey—Bung for Beer Casks.

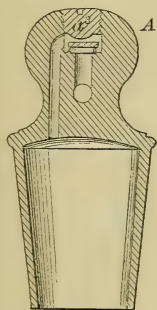
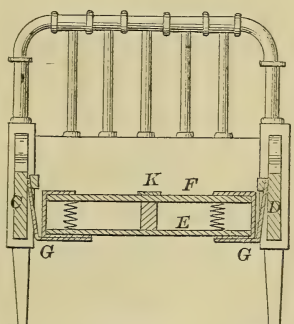
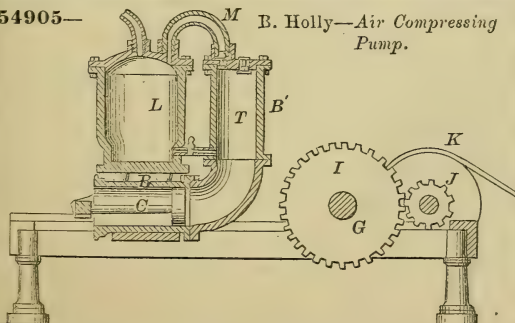


Fig. 3

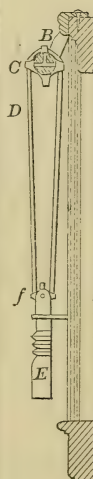
54902—Henderson & Ford—Bed Bottom.



54905—B. Holly—Air Compressing Pump.



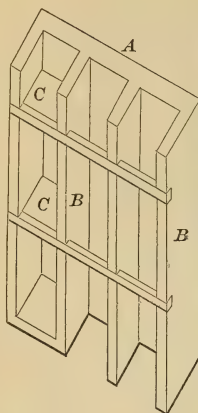
54908—Horner & Van Doren—Window Shade Fixture.



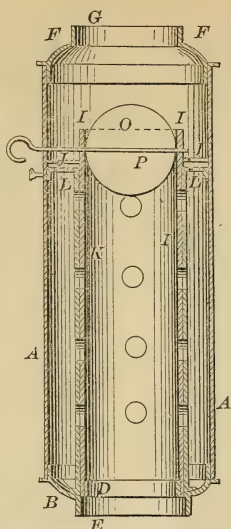
54909—Hoxsie & Reed—Flexible Tubing.



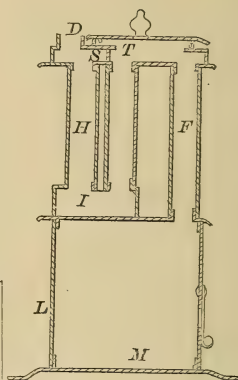
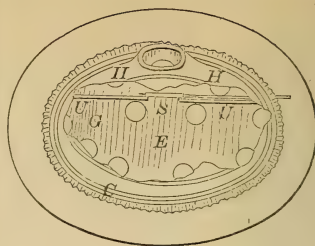
**54910**—E. Hunt—  
Concrete and Mortar  
Wall.



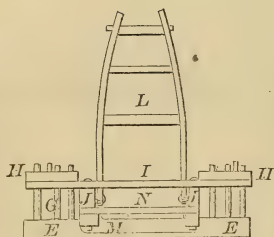
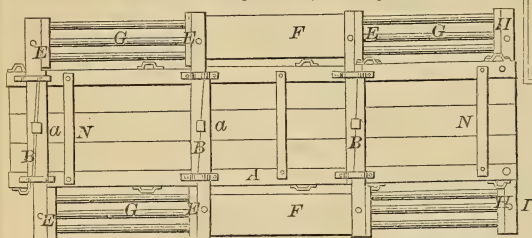
**54911**—F. P. Hunt—  
Stove Pipe Drum.



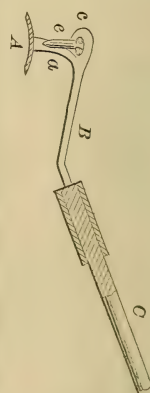
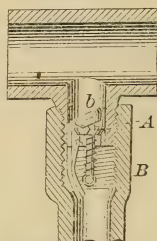
**54912**—J. B. Hyzer—Heat Radiator.



**54914**—A. Jackson—Hay Rack for Wagons.

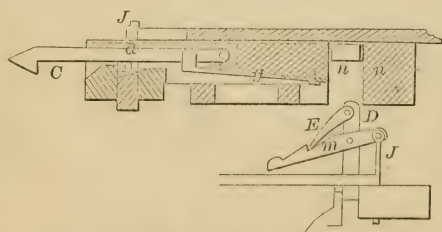


**54915**—B. Jacobs—  
Attachment to Gas  
Fixtures.

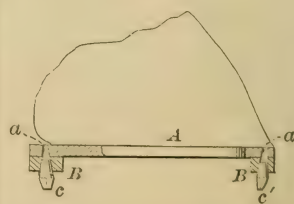


**54916**—J. D. Jenkins—Shuffle Hoe.

**54913**—M. Ingersoll—Car Coupling.

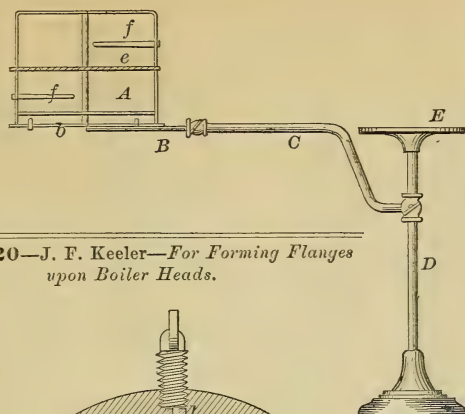


**54918**—F. Judson—Calk for  
Horse Shoes.

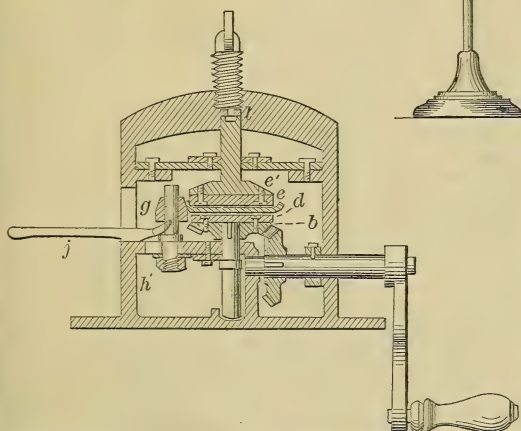




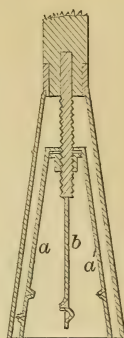
54919—E. Kast—Reading Desk.



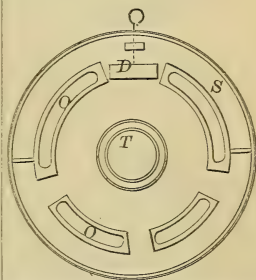
54920—J. F. Keeler—For Forming Flanges upon Boiler Heads.



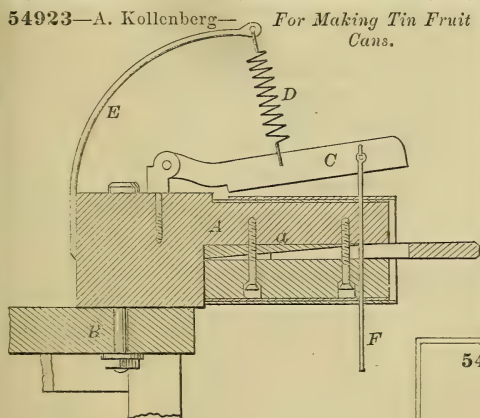
54921—J. Kiefer—Broom Head.



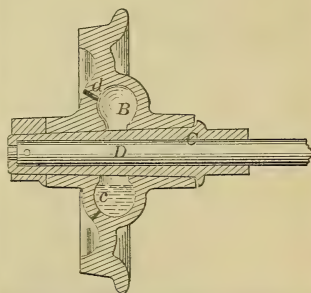
54924—Lakin & Hall—Heating Stove.



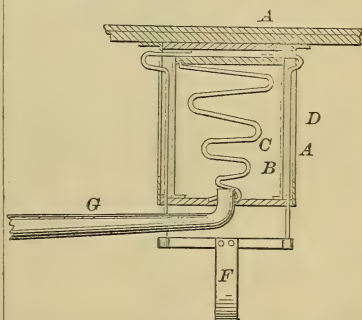
54923—A. Kollenberg—For Making Tin Fruit Cans.



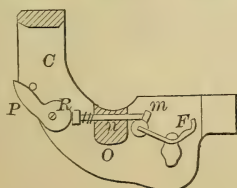
54925—J. W. Latcher—Car Wheel.

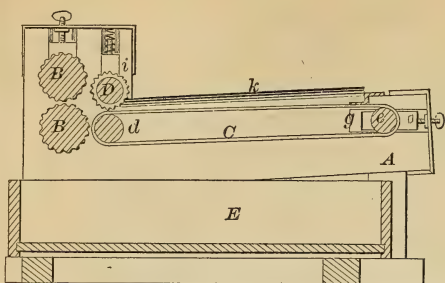
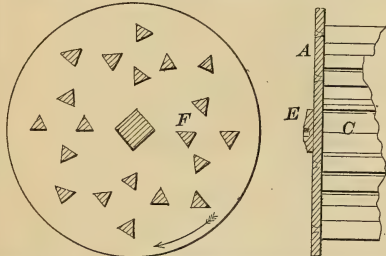
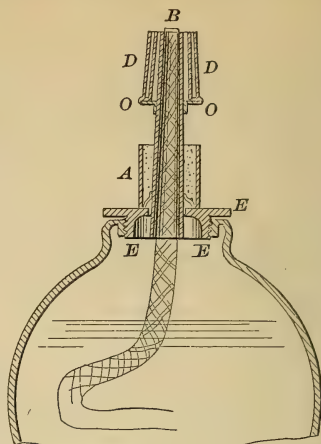
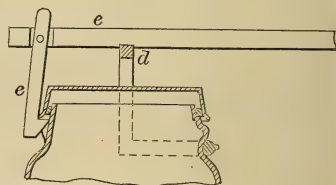
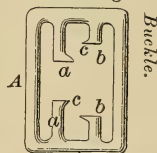


54922—P. Killin—Alarm Whistle.

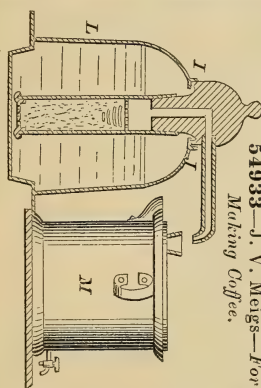
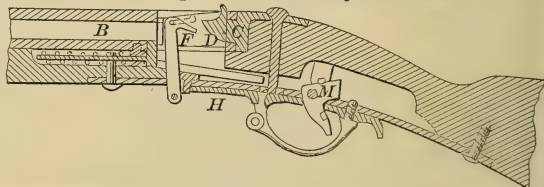
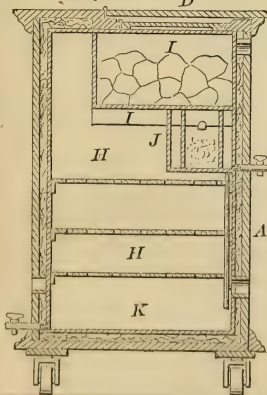
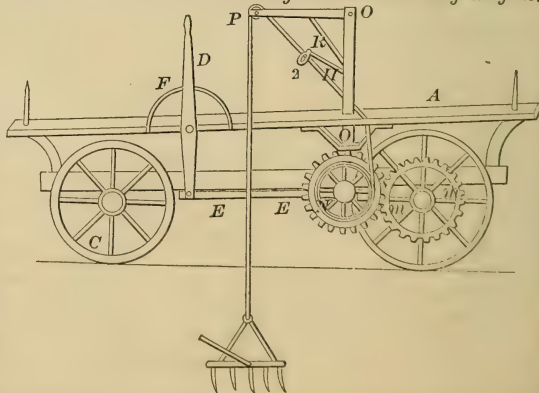


54926—W. M. Leavens—Sewing Machine.

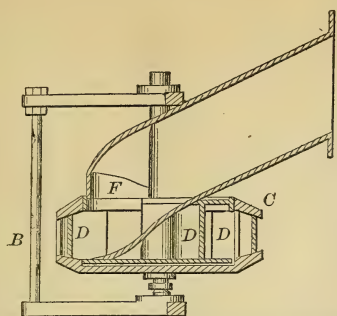


54927—W. K. Lewis—*Pea and Bean Sheller.*54930—D. W. Maurice—*Churn Dasher.*54935—R. S. Merrill—*Lamp.*54929—W. W. Lyman—*For Opening Fruit Cans.*54928—  
H. Loewenberg—

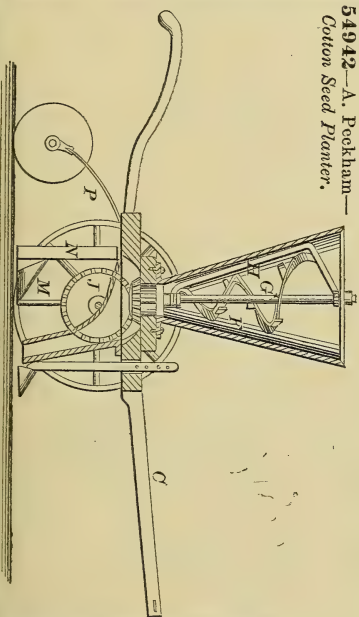
Buckle.

54933—J. V. Meigs—*For Making Coffee.*54934—J. V. Meigs—*Breech-Loading Fire Arm.*54931—J. McKelvey—  
*Refrigerator.*54936—J. M. Miller—*Loading Attachment to Hay Wagons.*

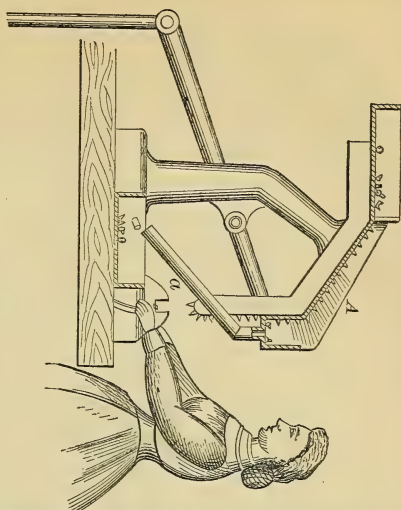
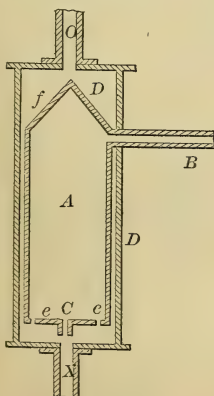
54937—J. C. Miller—*Water Wheel.*



54942—A. Peckham—*Cotton Seed Planter.*

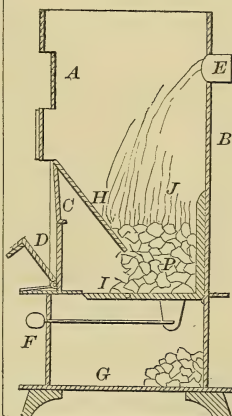


54940—J. Nicholson—*Feed Water Heater.*

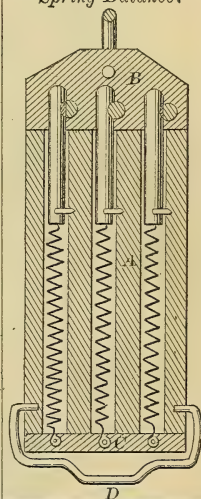


54939—C. Neuman—*For Attaching Clasps to Skirt Hoops.*

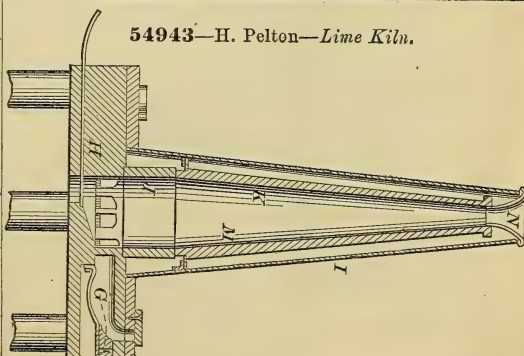
54938—G. R. Moore—*Heating Stove.*



54941—J. K. O'Neil—*Spring Balance.*

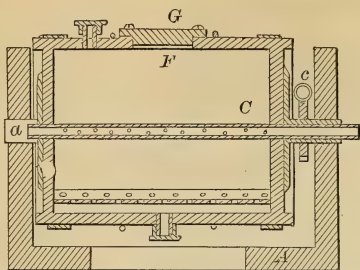


54943—H. Pelton—*Lime Kiln.*

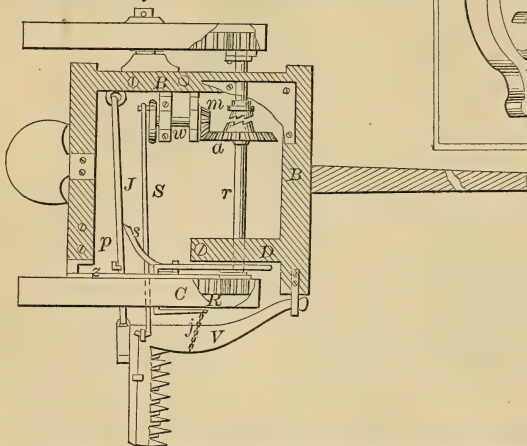




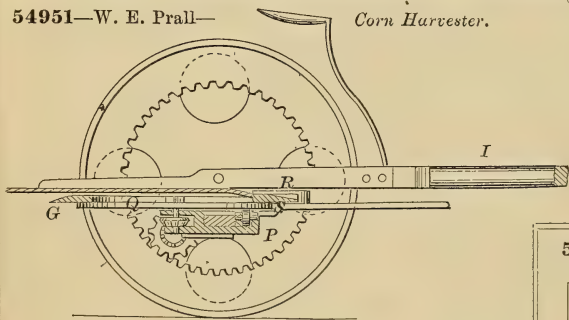
**54945**—Perry & Pierce—*For Making Extracts from Bark, &c.*



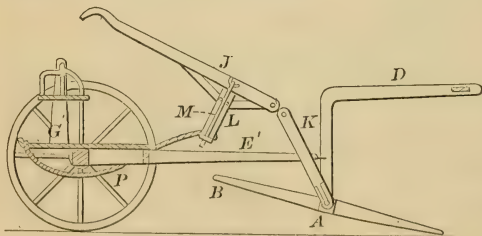
**54946**—J. G. Perry—*Harvester.*



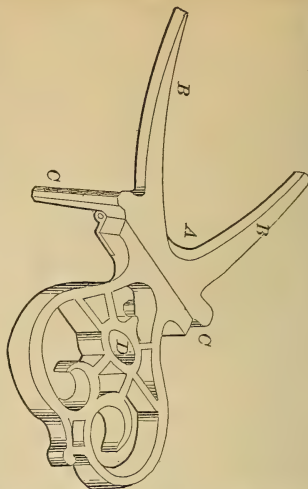
**54951**—W. E. Prall—*Corn Harvester.*



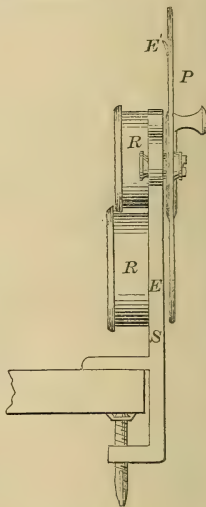
**54947**—W. M. Piatt—*Horse Rake.*



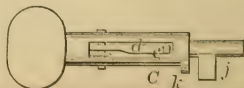
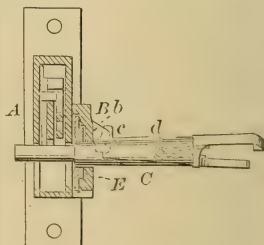
**54948**—A. Pierpont—*Boot Jack.*



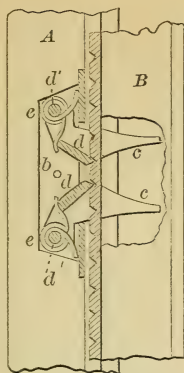
**54949**—J. C. Pinner—*Vegetable Slicer.*



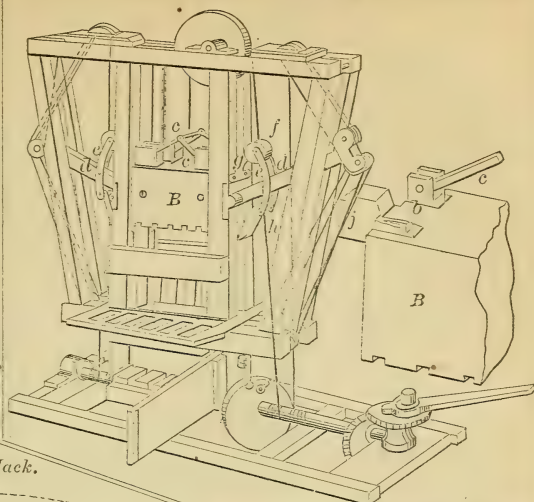
**54952**—D. A. Pratt—*Lock.*



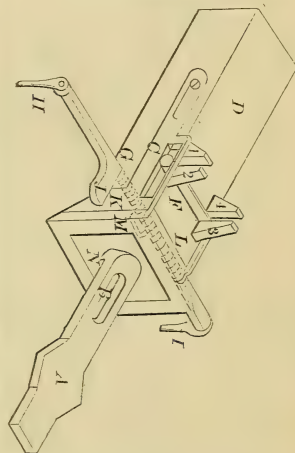
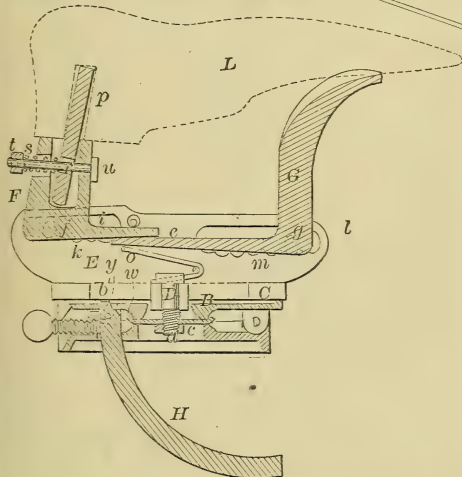
54953—D. A. Pratt—*Sash Fastening.*



54956—Read, Read & Dorrell—*Hay and Cotton Press.*

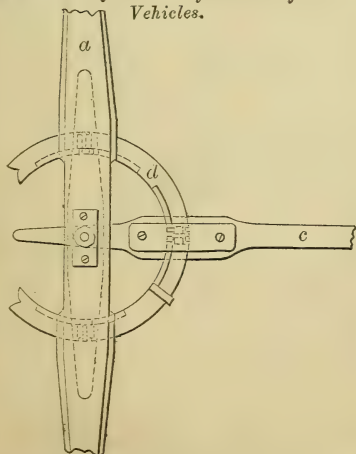


54954—L. H. Proctor—*Shoe Jack.*

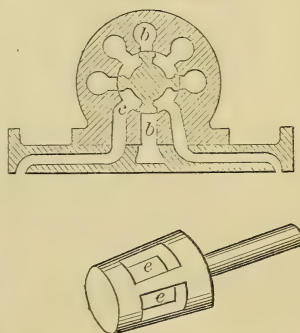


54955—Quick & Wallis—*Car Coupling.*

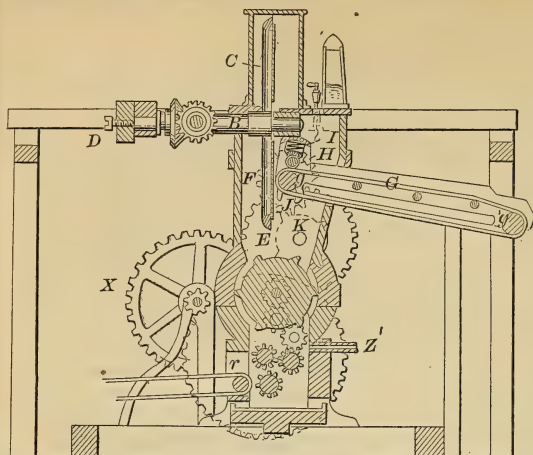
54958—U. Reynolds—*Fifth Wheel for Vehicles.*



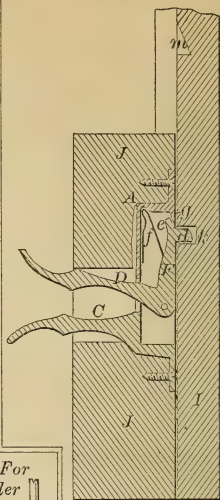
54959—T. Richards—*Balanced Valve for Steam Engines.*



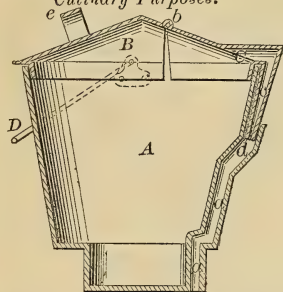
54960—Richardson, Davis &amp; Howell—Cane Mill.



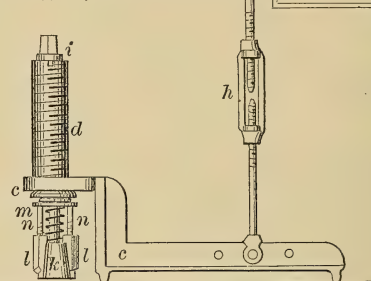
54961—W. J. Ross—Sash Fastener.



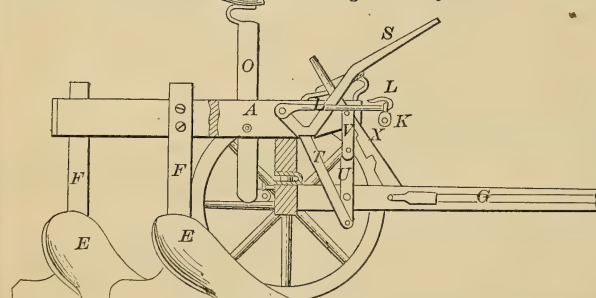
54964—S. E. Saul—Boiler for Culinary Purposes.



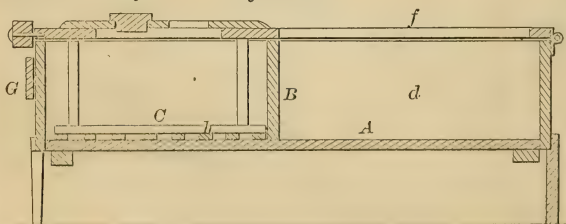
54962—P. C. Rowe—For Removing Scale in Boiler Tubes.



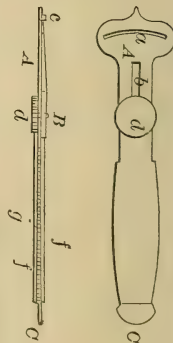
54963—Runk, Brown &amp; Morgan—Gang Plow.



54965—E. Sawyer—Washing Machine.

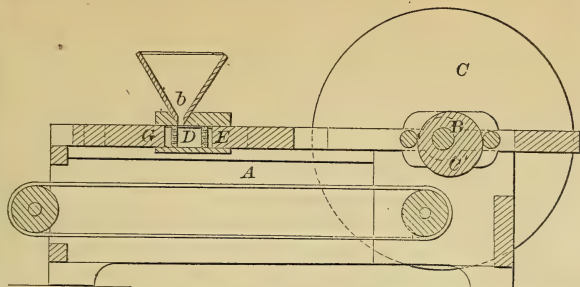


54966—C. C. E. Schwartz—For Cutting Finger Nails.

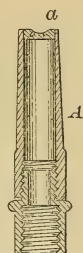




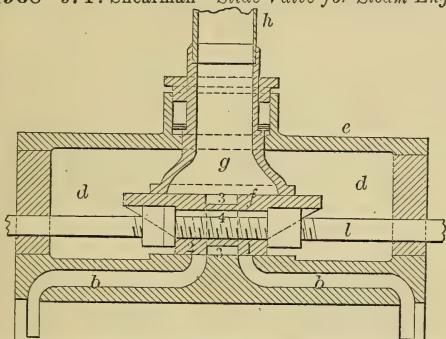
54967—D. W. Seeley—Brick Press.



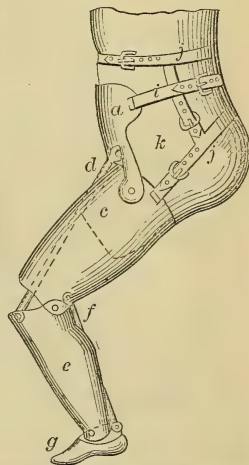
54971—J. L. Smith—Gas Burner.



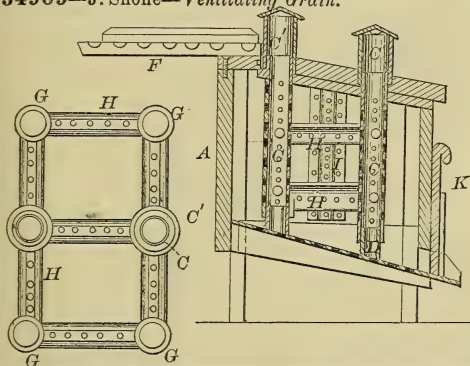
54968—J. F. Shearman—Slide Valve for Steam Engines.



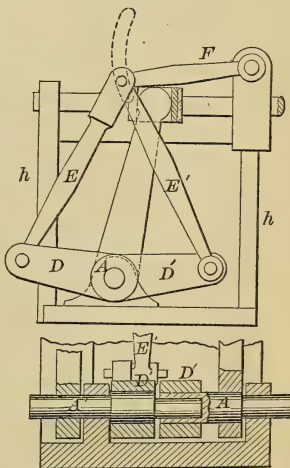
54970—S. P. Sleppy—Artificial Leg.



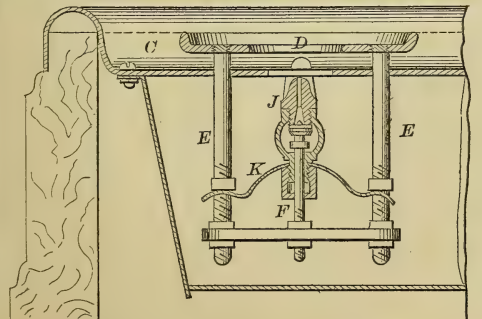
54969—J. Shone—Ventilating Grain.



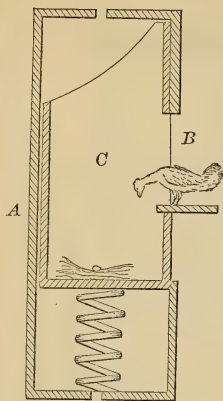
54972—P. J. Smith—Mechanical Movement.



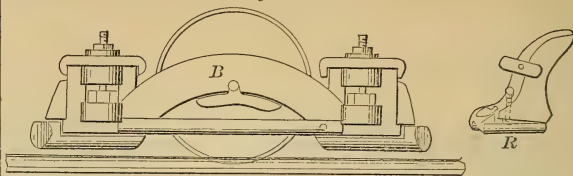
54973—D. M. Somers—Tumbler Washer and Cooler.



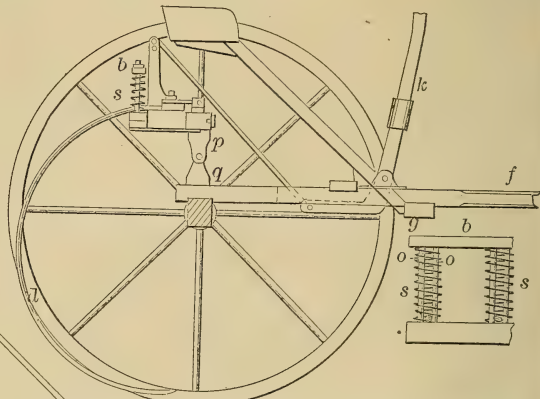
**54974**—H. Stevens—  
*Hen's Nest.*



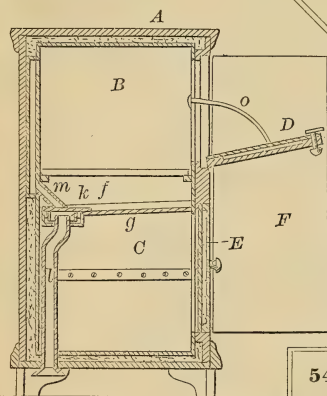
**54975**—H. Strait—*Railway Truck.*



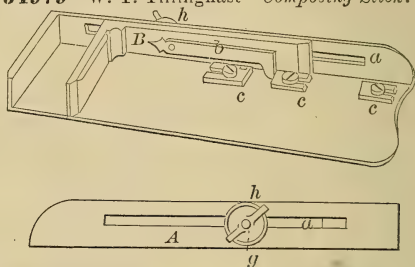
**54977**—B. C. Taylor—*Horse Rake.*



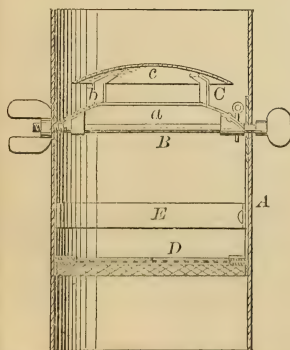
**54980**—P. A. Vogt—  
*Refrigerator.*



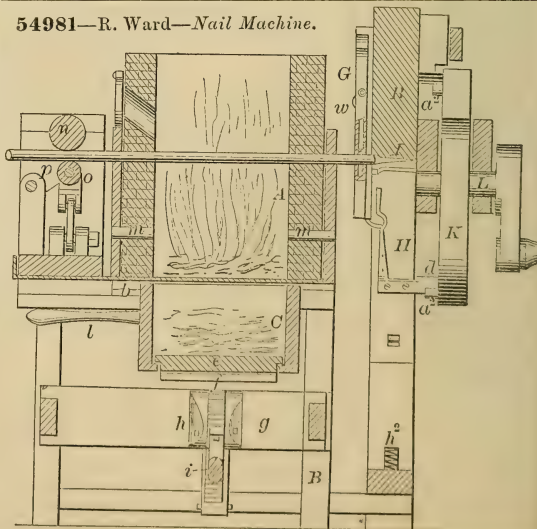
**54979**—W. T. Tillinghast—*Composing Stick.*



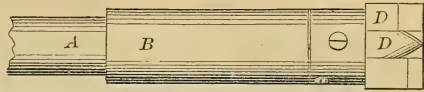
**54976**—D. & S. Sweeney—  
*Stove Pipe Damper.*



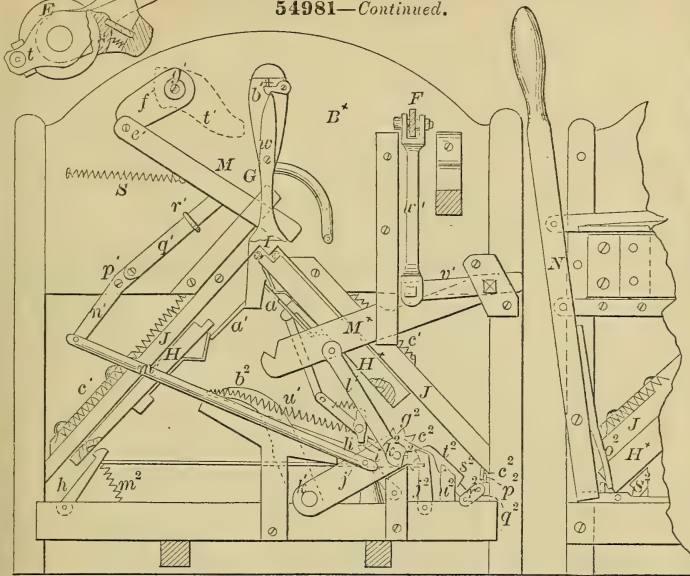
**54981**—R. Ward—*Nail Machine.*



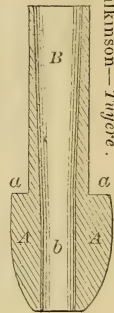
54982—O. G. Warren—Rock Drill.



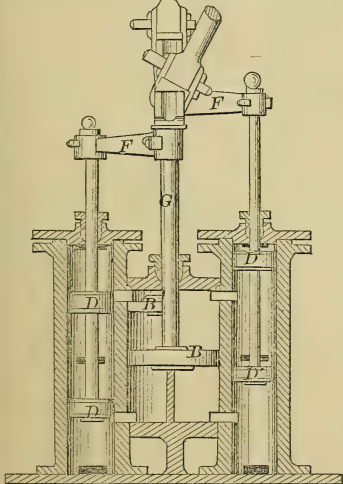
54981—Continued.



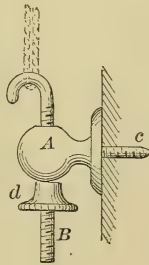
54988—L. Wilkinson—Tugere.



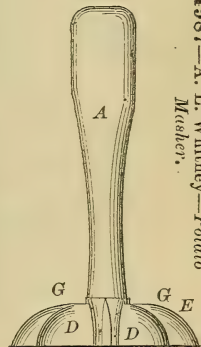
54983—G. I. Washburn—Steam Engine.



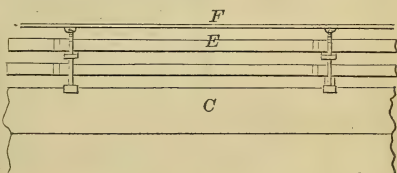
54985—S. White—Shade Hook.



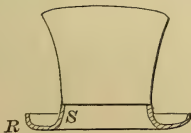
54987—A. L. Whitney—Potato Masher.



54989—S. P. Williams—Fence.

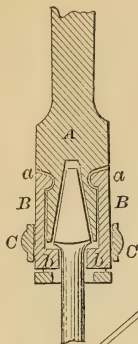


54986—W. H. White—Hats and Caps.

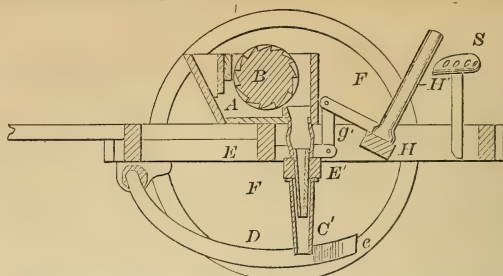




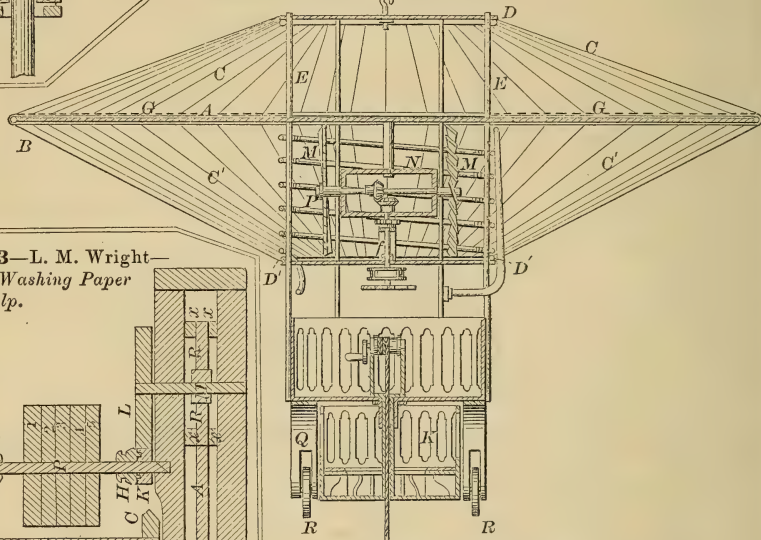
**54990**—W. Wimmer—*Securing Bits in Braces.*



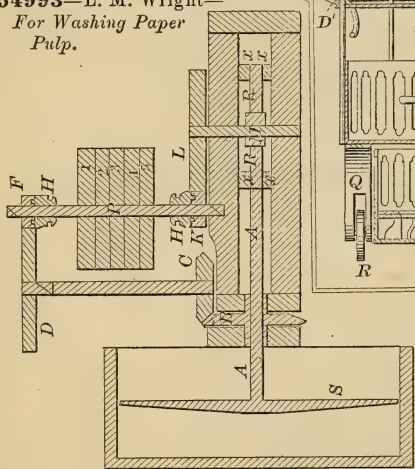
**54995**—E. Young—*Seed Drill.*



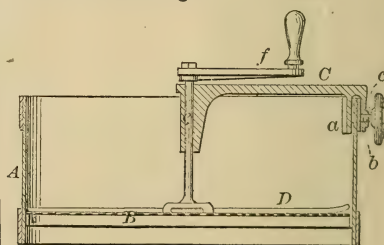
**54992**—J. Wootton—*Flying Machine.*



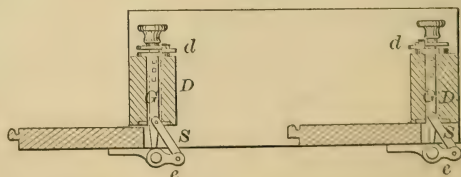
**54993**—L. M. Wright—*For Washing Paper Pulp.*



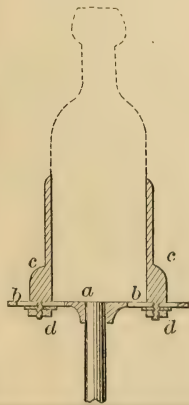
**54994**—C. E. Yager—*Flour Sieve.*



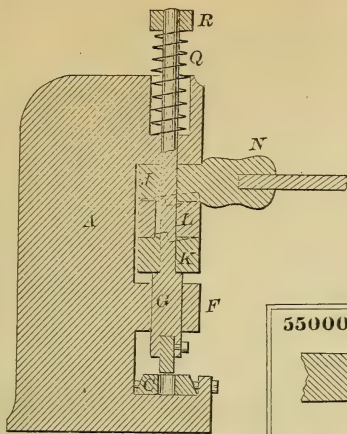
**54996**—J. Aborn—*Blind Fastener.*



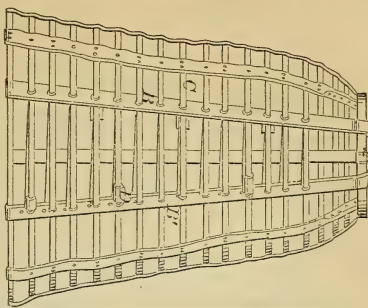
**54991**—J. Wood—*For Holding Glass Bottles.*



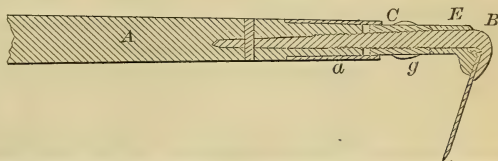
54997—G. A. Alger—Punching Machine.



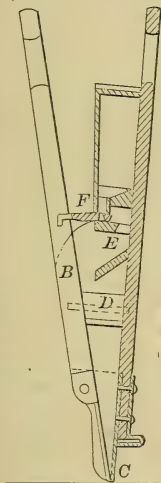
54998—A. W. Bardwell—Hoop Skirt.



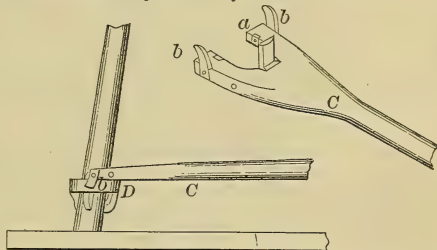
55000—A. Boyden—For Attaching Handles to Rakes, &c.



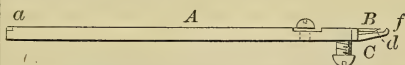
54999—O. Billings—Hand Corn Planter.



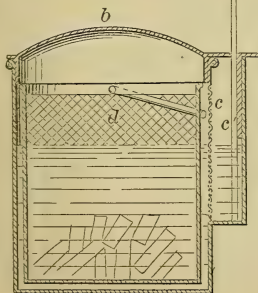
55001—M. Bray—Guide for Jaws.



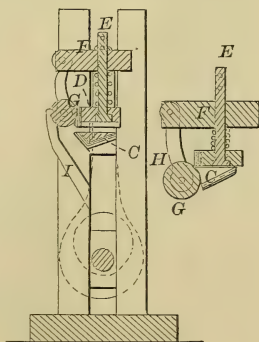
55002—J. Brooks—Welt Trimmer.



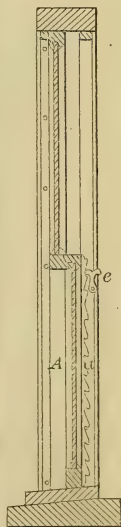
55004—C. B. Cottrell—For Tempering Steel.



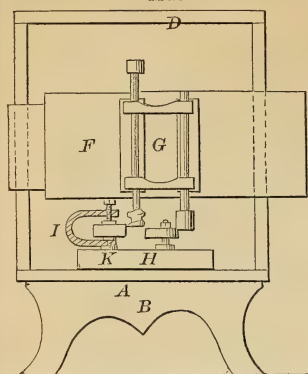
55005—J. J. Currier—For Folding Paper Collars.



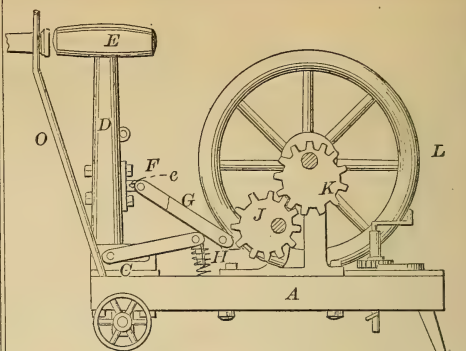
55003—C. E. Condon—Sash Supporter.



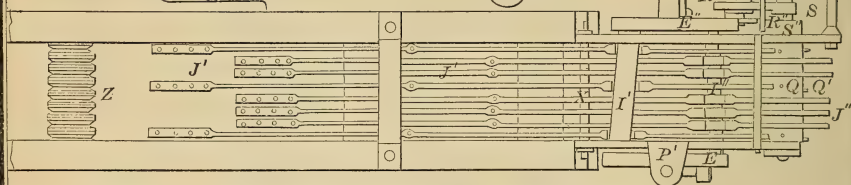
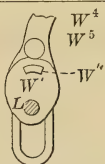
55006—J. Dane, Jr.—*Wood Shaping Machine.*



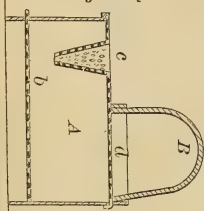
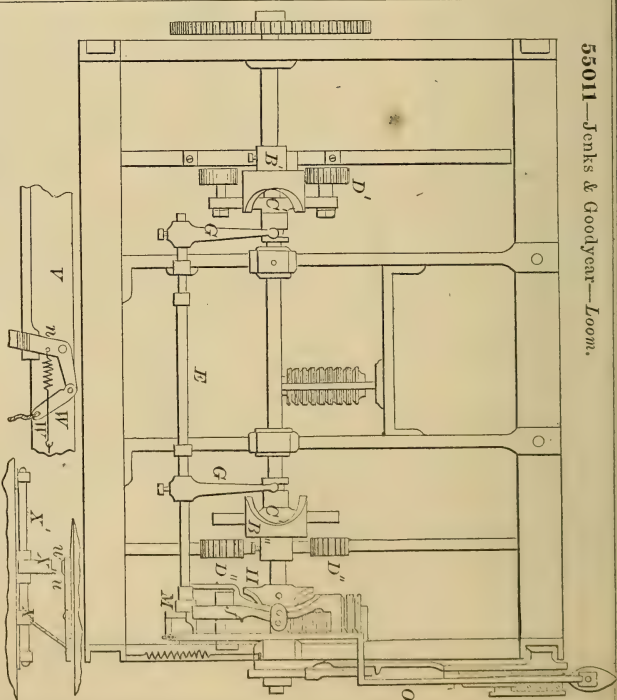
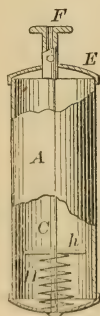
55009—W. Hyde—*Rock Drilling Machine.*



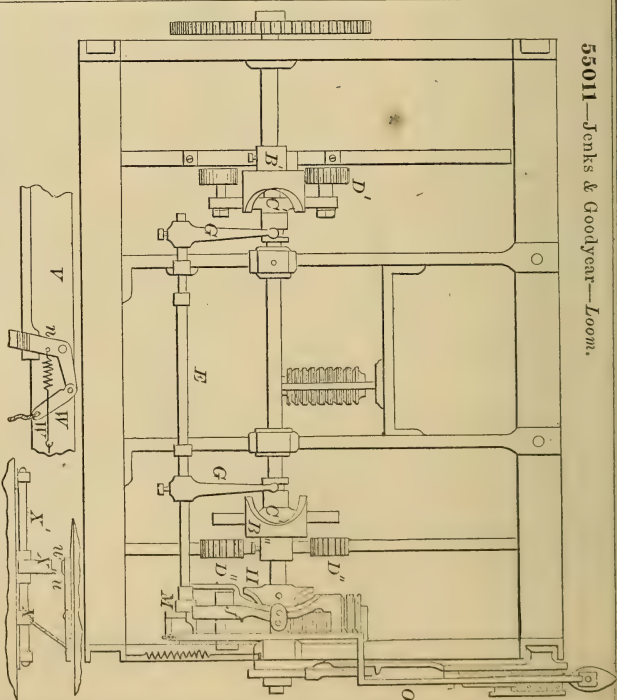
55010—Jenks & Goodyear—*Heddle Motion for Loom.*



55007—Emery & Gott—  
*Fly Trap.*

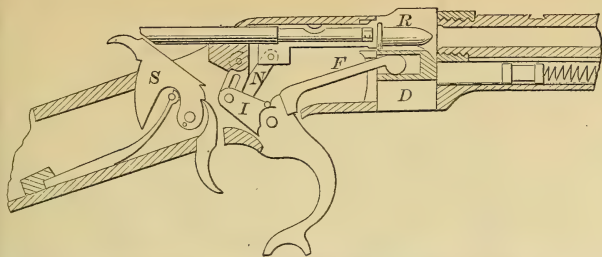
55008—W. P. Gannett—*Clothes Sprinkler*.

55011—Jenks &amp; Goodyear—Loom.

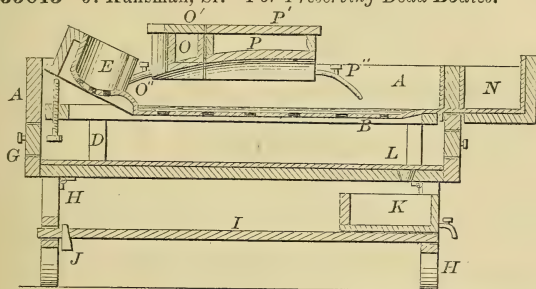




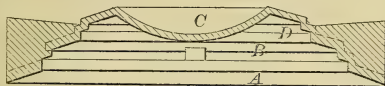
55012—N. King—Magazine Fire Arm.



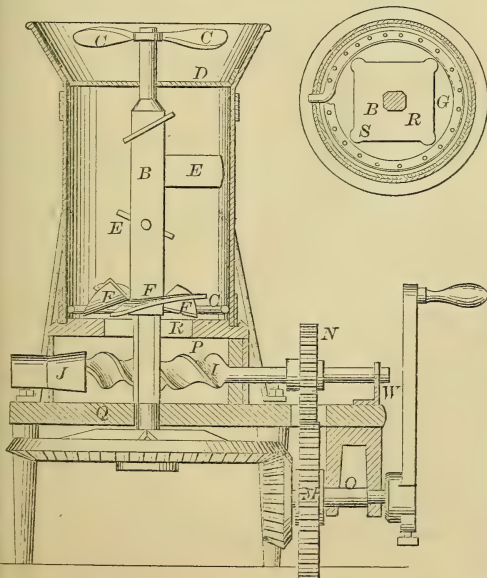
55013—J. Kunsman, Sr.—For Preserving Dead Bodies.



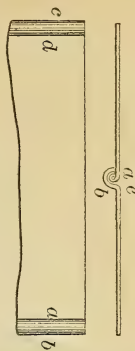
55017—E. Parker—Stove Pipe Damper.



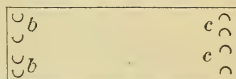
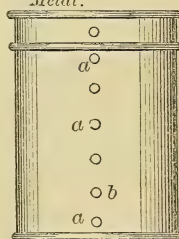
55018—J. H. Rae—Peat Machine.



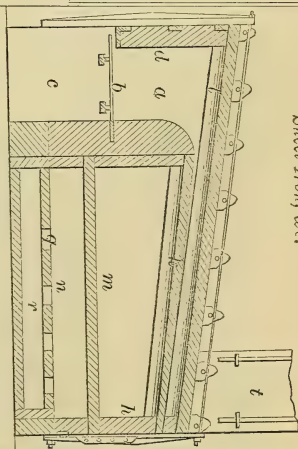
55015—P. H. Niles—Seam for Sheet Metal Ware.



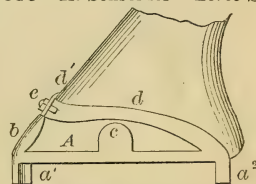
55016—P. H. Niles—Attaching Sides of Sheet Metal.

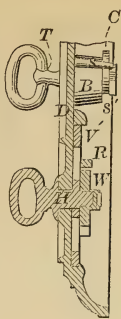
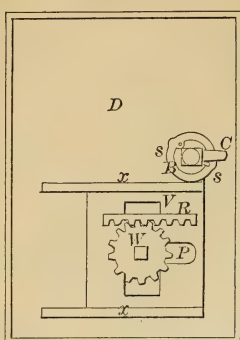
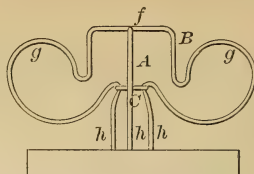
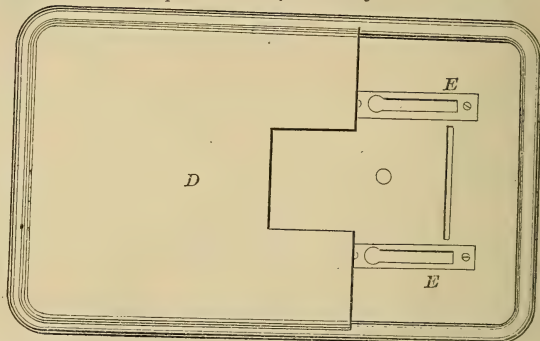
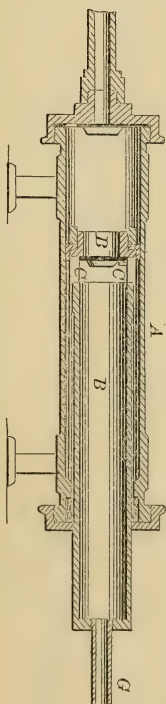
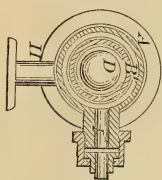
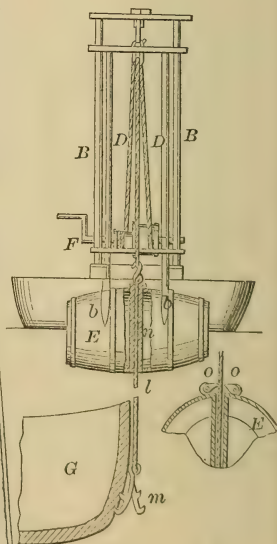
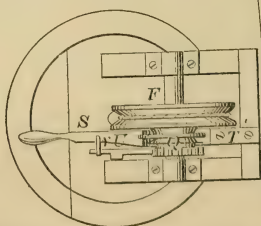
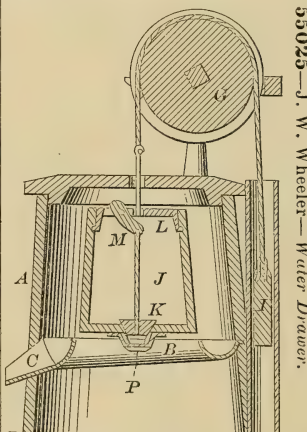


55014—J. Malone—For Annealing Sheet Iron, &c.

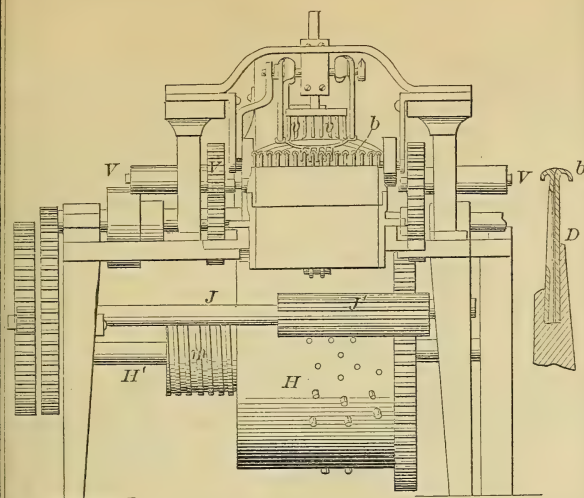


55019—H. Schreiner—Horse Shoe.

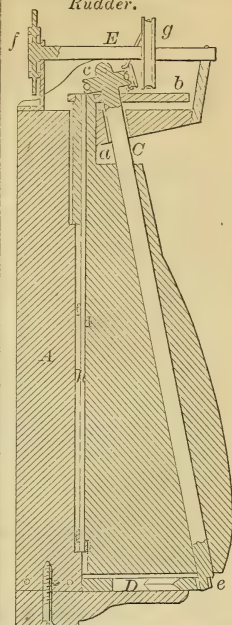


55020—R. Simpson—*Stove Door.*55021—L. Smith—*Spring for Beds.*55024—H. Thompson—*Rotary Harrow.*55023—A. J. Thompson—*Cover for Sewing Machines.*55022—E. L. Staples—*Pump.*55026—T. Whittaker—*For Raising Sunken Vessels.*55025—J. W. Wheeler—*Water Drawer.*

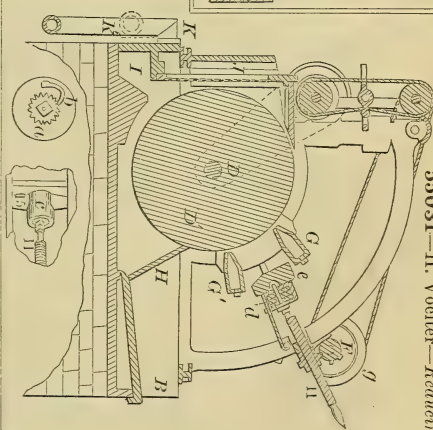
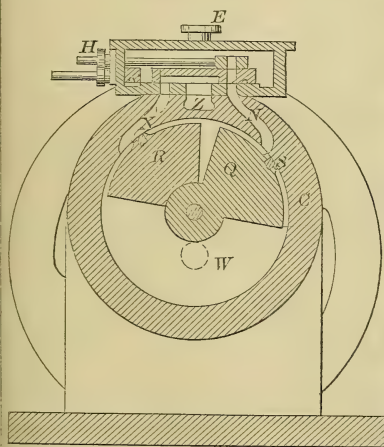
55027—J. G. Wilson—Knitting Machine.



55028—P. Dinzey—Rudder.

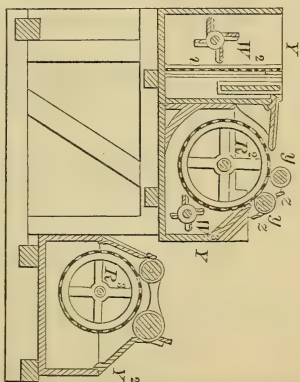
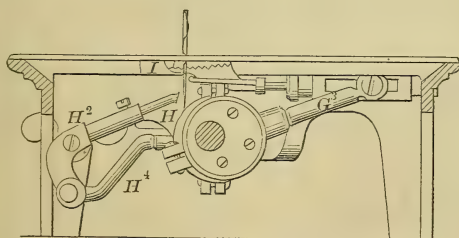


55030—R. W. Thomson—For Obtaining Motive Power.



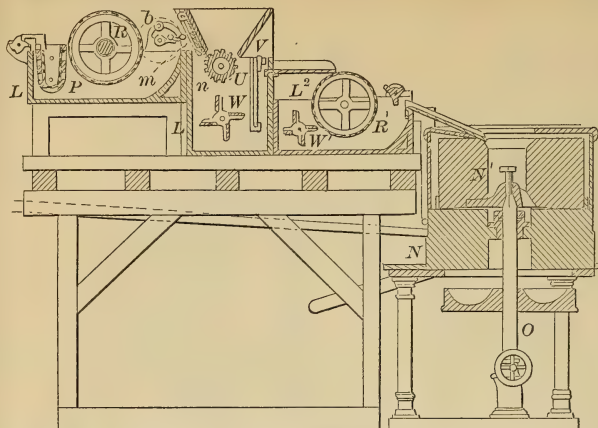
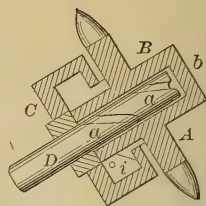
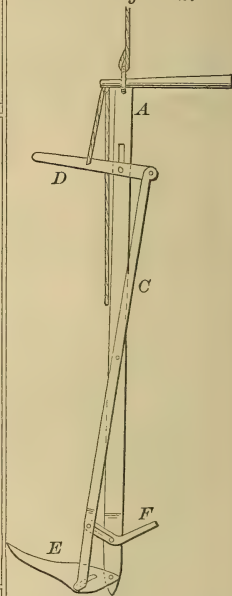
55031—H. Voelter—Reducing Wood to Paper Pulp.

55029—J. Hayes—Sewing Machine.

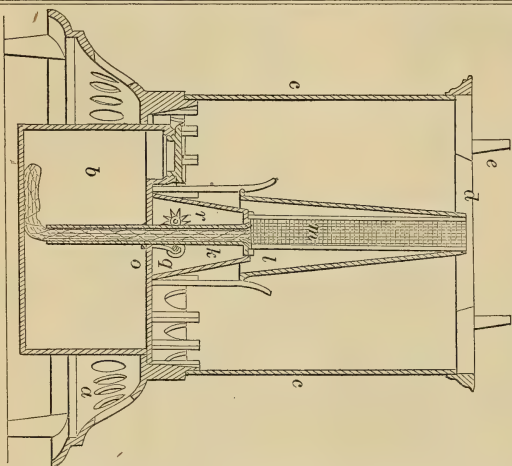




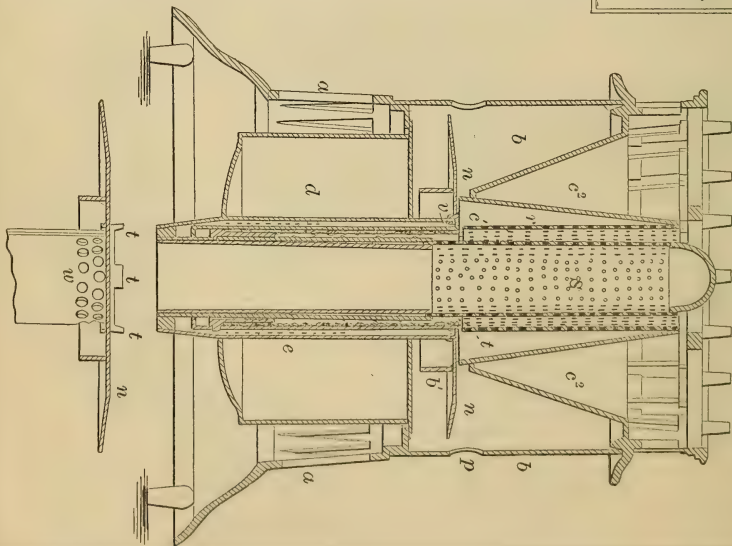
55031—Continued.

55034—C. Allardice—  
Knitting Machine Burr.55035—T. H. Arnold—  
Horse Hay Fork.

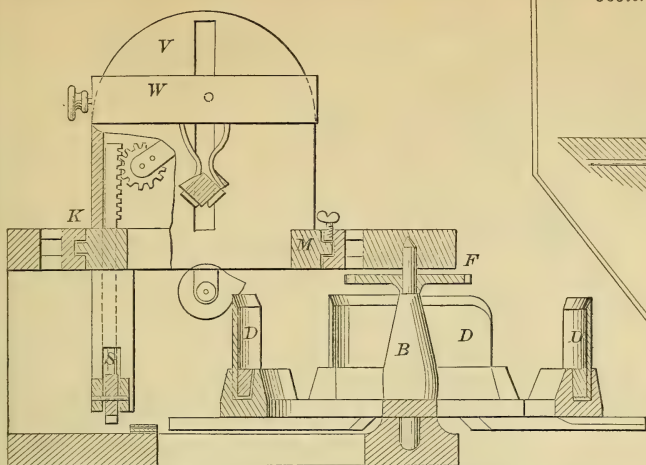
55032—O. F. Morrill—Petroleum Stove.



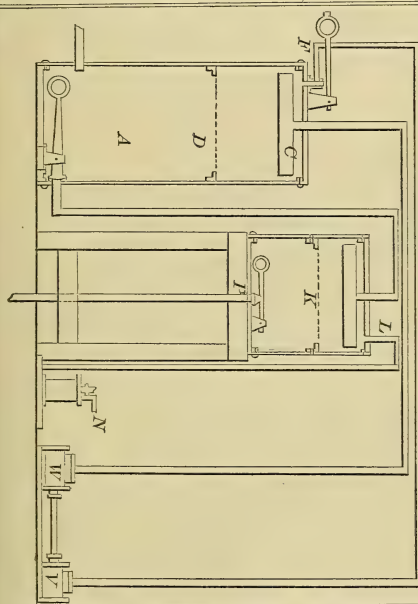
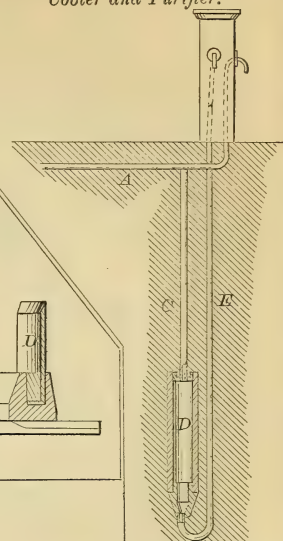
55033—O. F. Morrill—For Cooking by Coal Oil Burners.



55036—A. J. Bailey—Cork Cutting Machine.

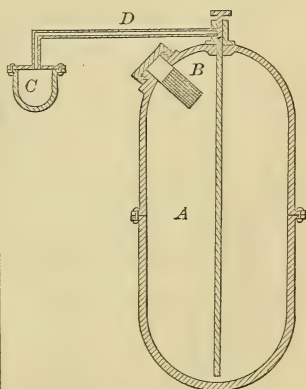


55037—J. M. Baird—Water Cooler and Purifier.

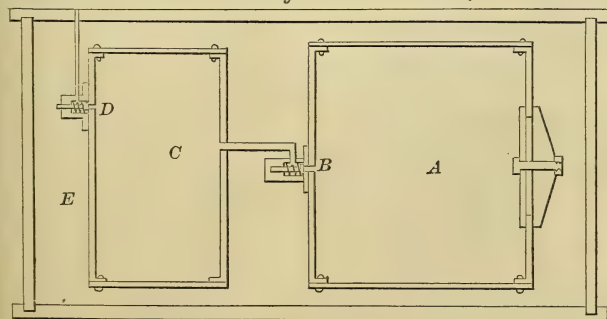


55038—J. S. Baldwin—Separating Carbonic Acid from Gases.

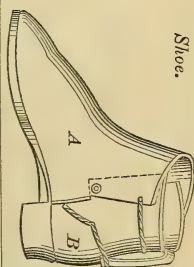
55040—J. S. Baldwin—Charging Water with Carbonic Acid.



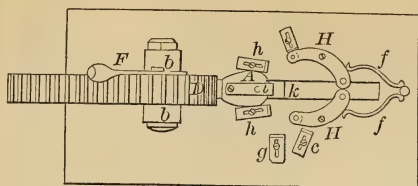
55039—J. S. Baldwin—Storing Carbonic Acid Gas.



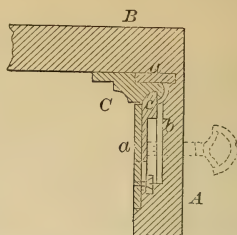
55041—A. Ballard—Shoe.



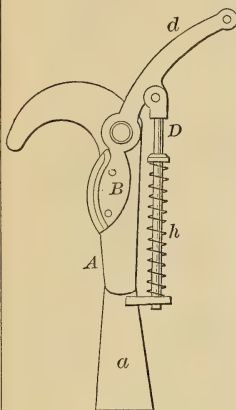
55042—H. J. Batchelder—*For Bending Horse Shoes.*



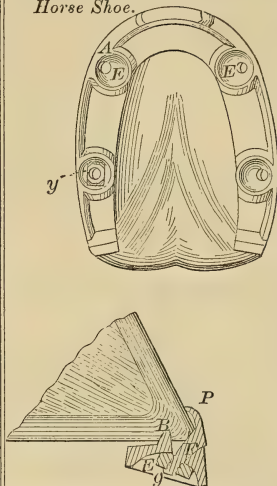
55047—W. Bohannon—*Lock.*



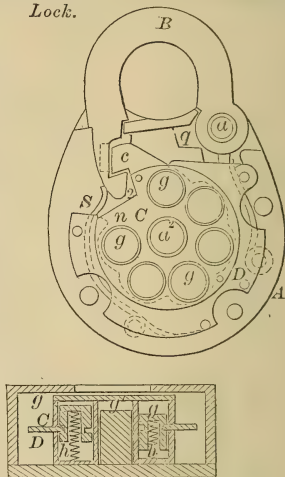
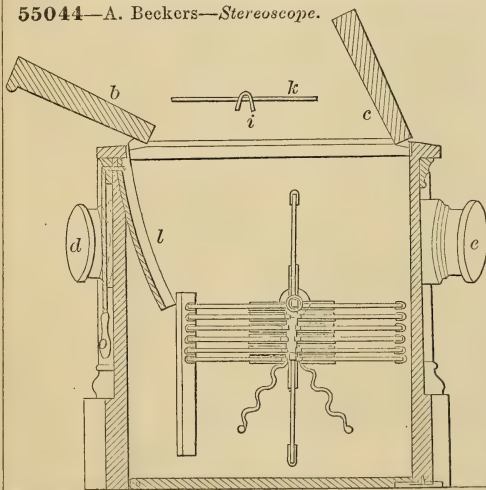
55043—A. Baumann—  
*Pruning Shears.*



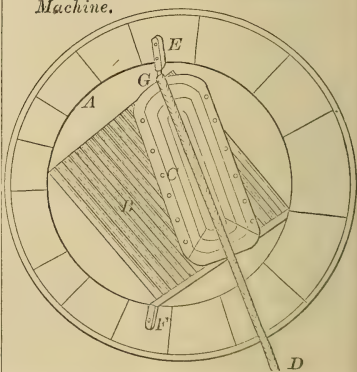
55045—Behel & Buell—  
*Horse Shoe.*



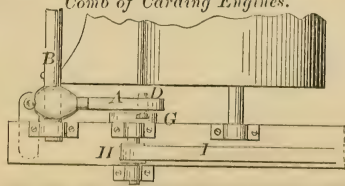
55048—Bohannon & Johnson—  
Lock.

55044—A. Beckers—*Stereoscope.*

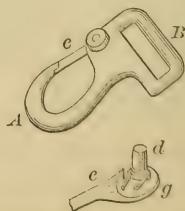
55049—J. E. Briggs—*Washing Machine.*



550-46—A. A. Bennett—*For Operating the Doffer  
Comb of Carding Engines.*

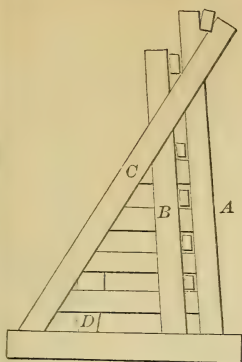


55050—C. B. Bristol—*Snap Hook*.

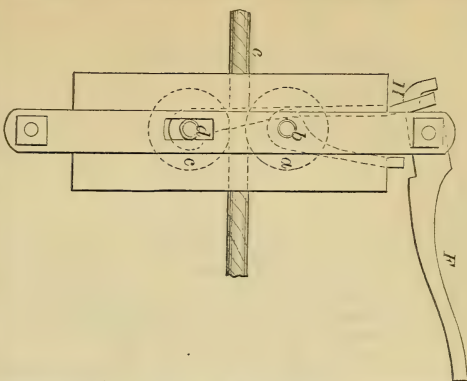




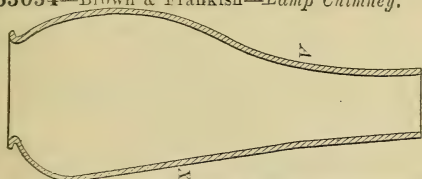
**55051**—A. Brooker—*Portable Fence.*



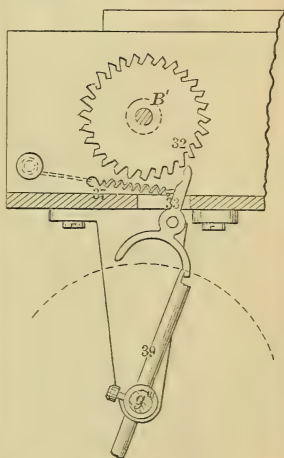
**55052**—Brown & Level—*For Lowering Ships' Boats.*



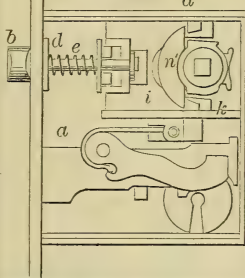
**55054**—Brown & Frankish—*Lamp Chimney.*



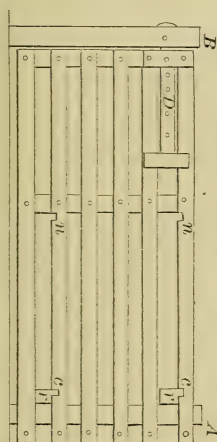
**55056**—E. A. Calahan—*For Punching Paper for Telegraph.*



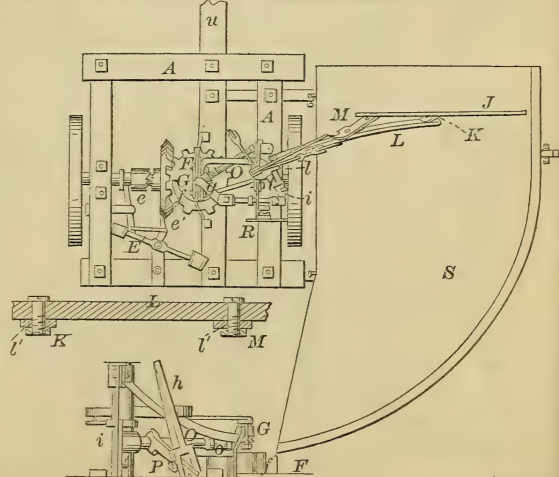
**55052**—A. T. Brooks—*Reversible Lock or Latch.*



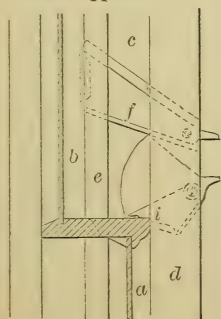
**55058**—J. Case—*Farm Gate.*



**55059**—W. J. & R. Case—*Harvester Rake.*

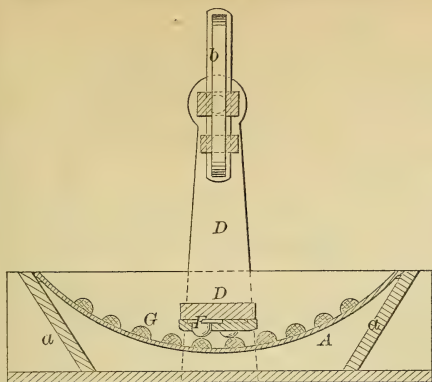


**55057**—E. A. Campbell—*Sash Supporter.*

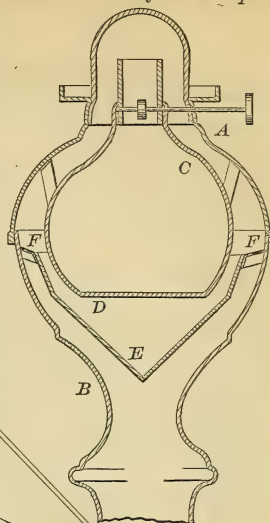




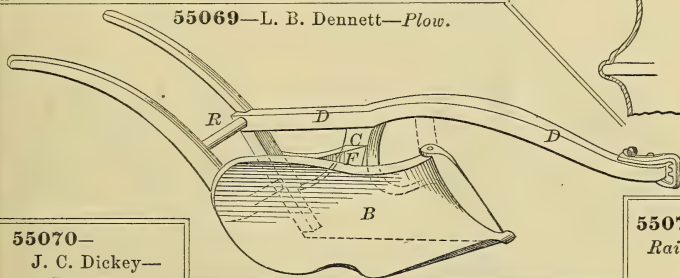
55068—G. M. Denison—*Washing Machine.*



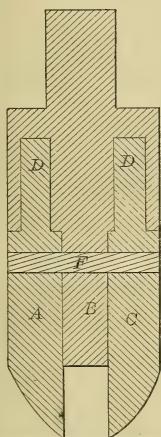
55075—M. B. Dyott—*Lamp.*



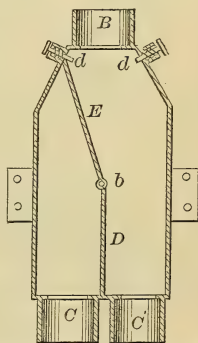
55069—L. B. Dennett—*Plow.*



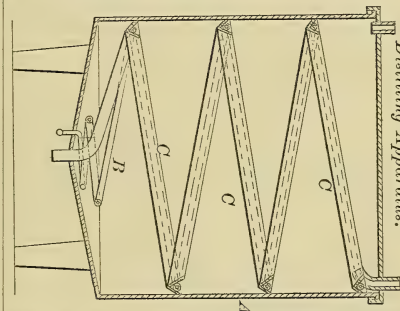
55070—  
J. C. Dickey—  
*Rock Drill.*



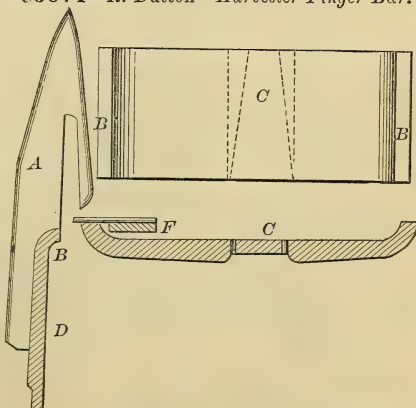
55072—L. W. Doty—  
*Rain Water Cut-off.*



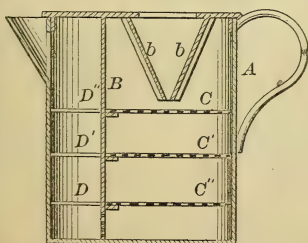
55071—Divine & Seeley—  
*Distilling Apparatus.*



55074—R. Dutton—*Harvester Finger Bar.*

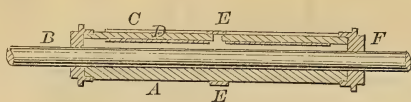


55076—W. P. Eayrs—*Beer Pitcher.*

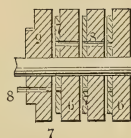
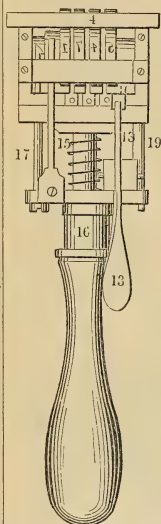




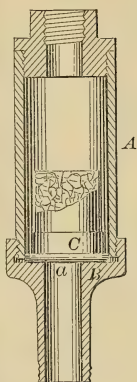
**55077**—S. F. Emerson—*Roller for Wringing Machines.*



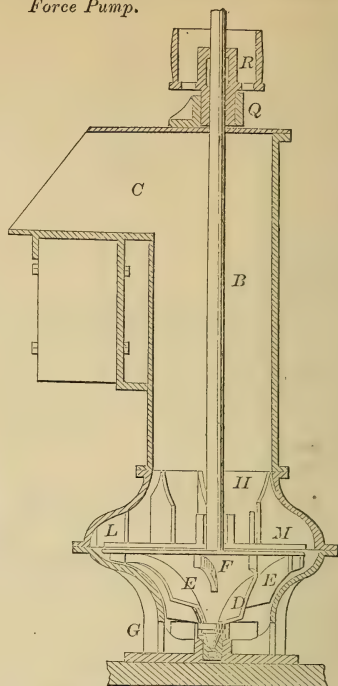
**55078**—D. Emonnot—*Numbering Stamp.*



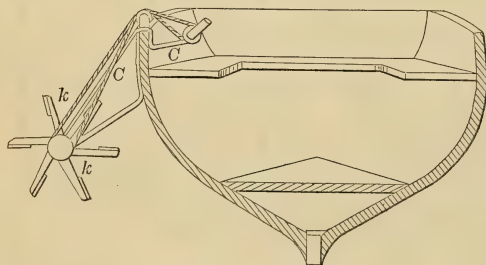
**55081**—  
W. Fuzzard—*Steam Trap.*



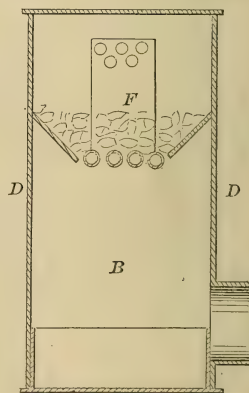
**55082**—J. H. A. Geriecke—*Turbinate Force Pump.*



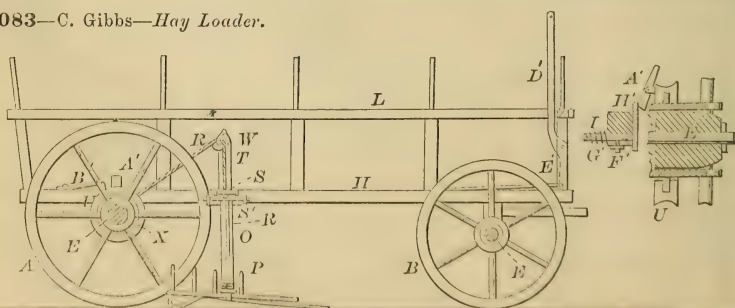
**55080**—C. G. Forshey—*Steering Apparatus.*



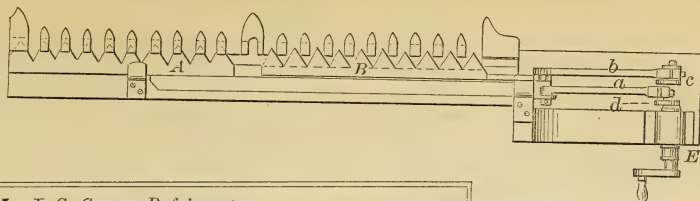
**55079**—W. Ennis—*Furnace.*



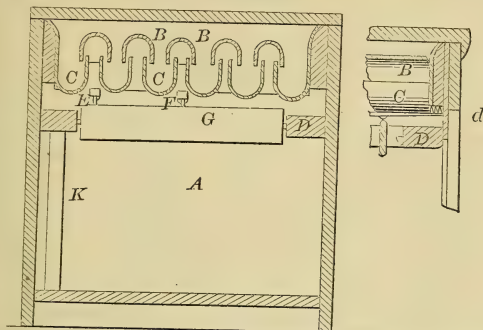
**55083**—C. Gibbs—*Hay Loader.*



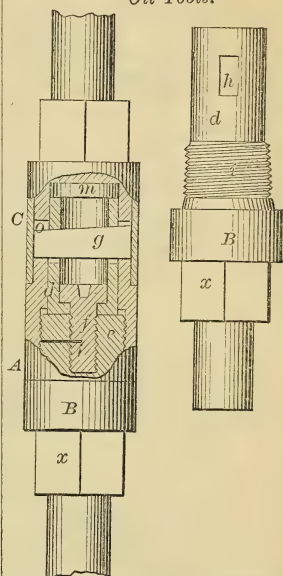
55084—S. Gillam—*Harvester Cutter.*



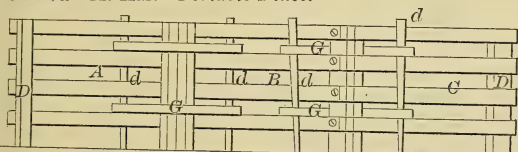
55085—J. C. Gove—*Refrigerator.*



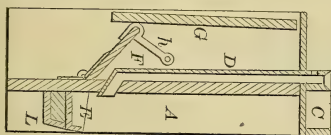
55086—R. Gracey—*Joint for Oil Tools.*



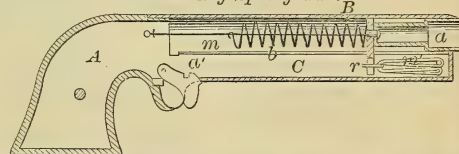
55091—M. Hall—*Portable Fence.*



55090—L. Hall—*Sheep Rack.*



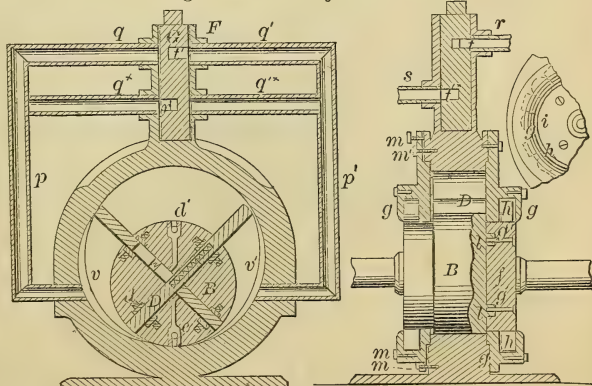
55089—A. Hall—*Toy Spring Gun.*

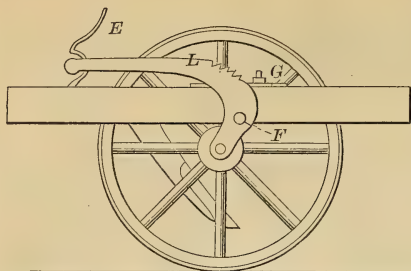
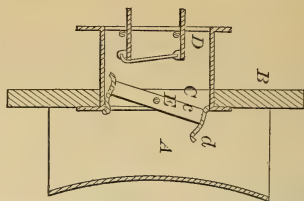
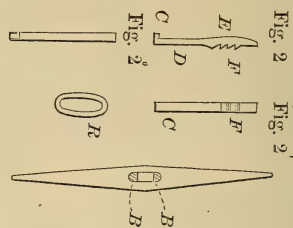
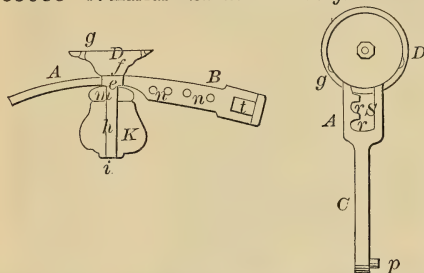
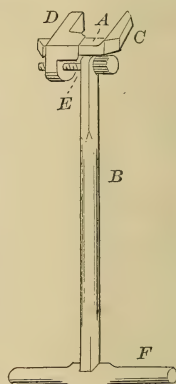
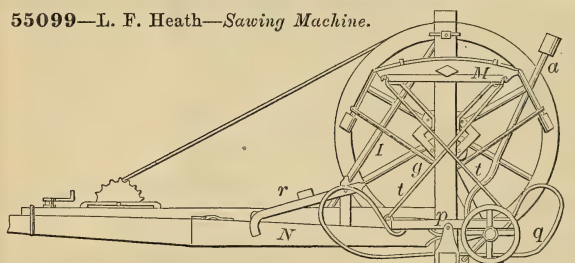
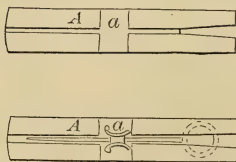
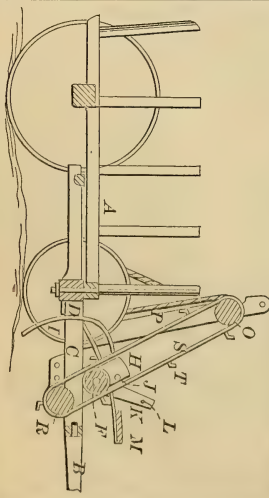
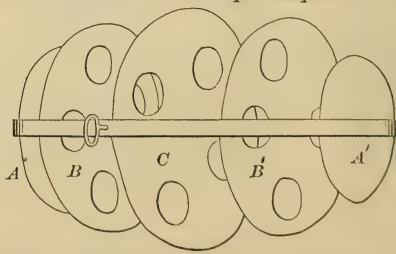


55088—A. Haggy—*Buckle.*



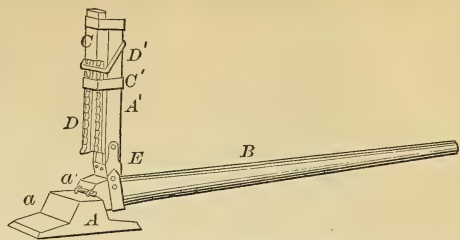
55092—Hall & Bugbee—*Steam Engine.*



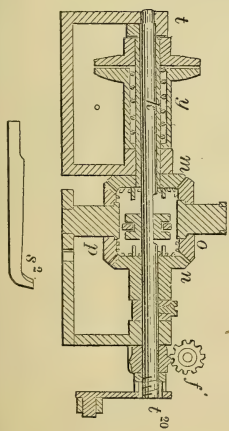
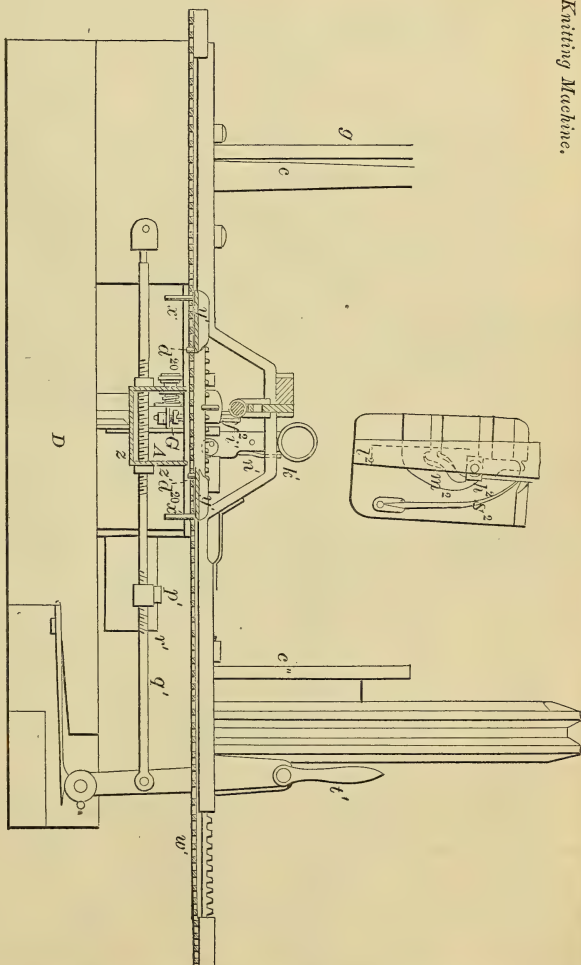
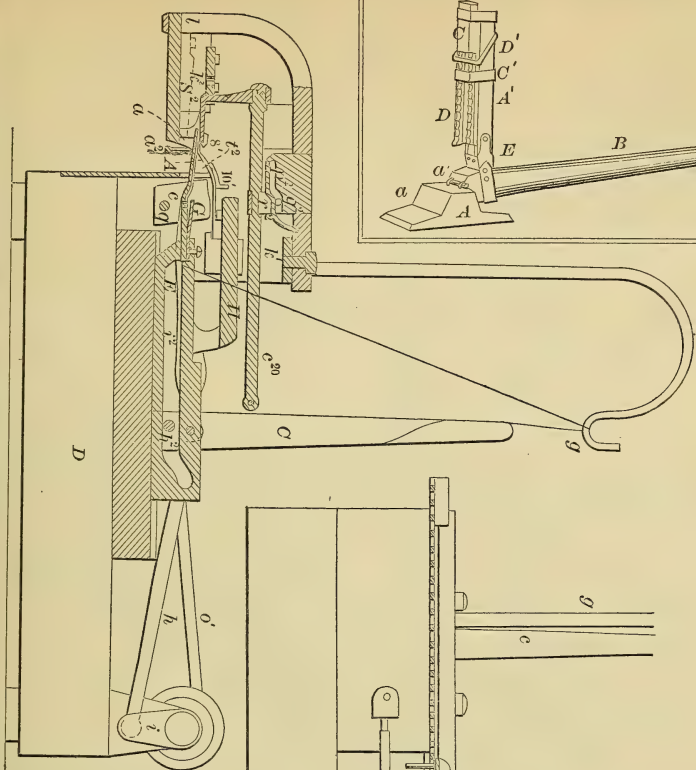
55093—W. Hammond—*Cultivator and Plow.*55094—G. Hardy—*Car Ventilator.*55095—J. Harrar—*Shutter Fastening.*55096—Harris & Franz—*Attaching Handles to Tools.*55099—L. F. Heath—*Sawing Machine.*55100—J. Hegarty—*Screw Wrench.*55097—G. Hastings—*For Polishing and Glossing Watch Hands.*55098—A. W. Heany—*For Raking and Loading Hay.*55101—W. Hicks—*Stove Pipe Damper.*

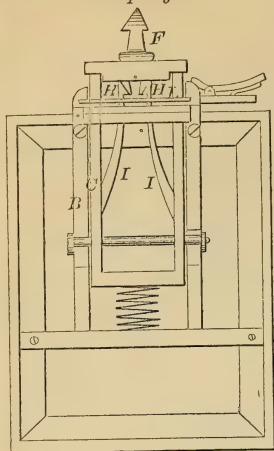
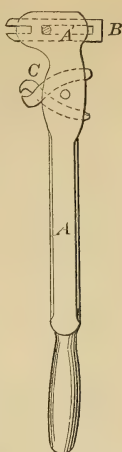
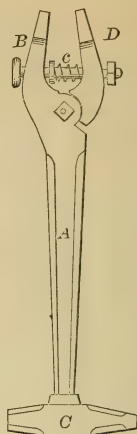
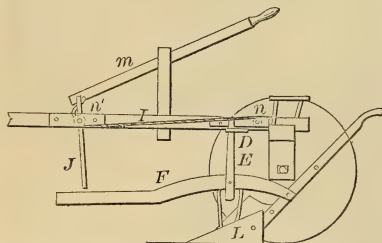
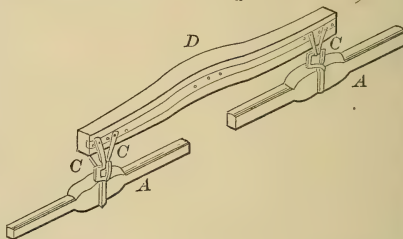
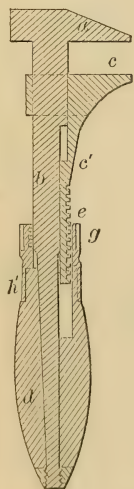
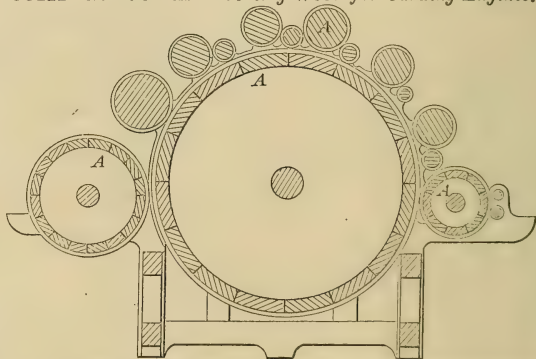
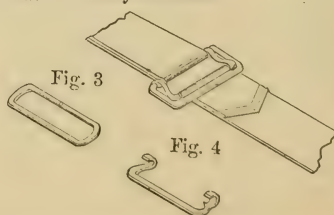


55102—A. Higley—Lifting Jack.

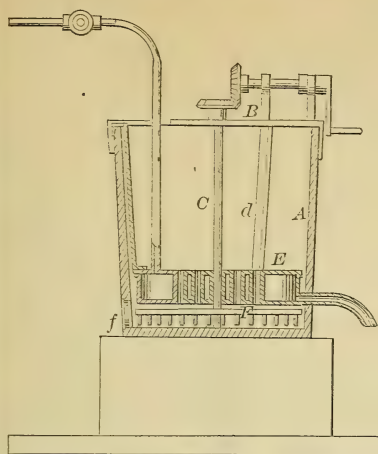


55103—J. Hinkley—Knitting Machine.

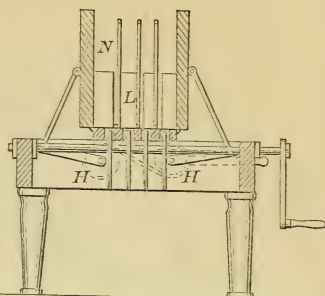


55104—Hinman & Nevill—*Car Coupling.*55105—J. H. Hogan—*Nail Extractor.*55107—S. S. & E. G. Hoyt—*Screw Wrench and Hammer.*55108—A. Ingalls—*Carriage Plow.*55112—N. Johnson—*Whiffletree.*55109—J. C. Jackson—*Screw Wrench.*55111—B. H. Jenks—*Treating Wood for Carding Engines.*55113—G. R. Kelsey—*Buckle.*

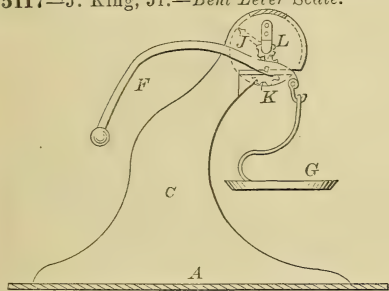
55114—W. Kendrick—*Amalgamator.*



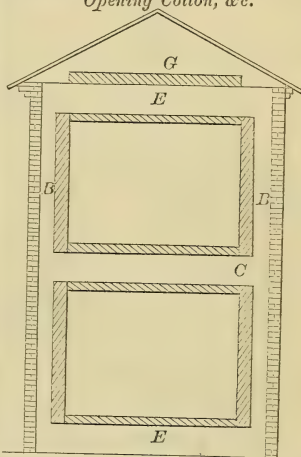
55116—P. B. Killam—*Wool Press.*



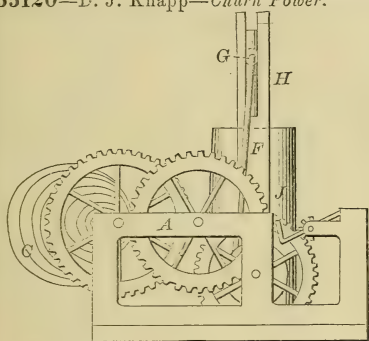
55117—J. King, Jr.—*Bent Lever Scale.*



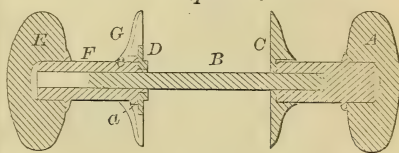
55118—R. Kitson—*Picker House for Opening Cotton, &c.*



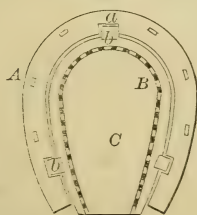
55120—D. J. Knapp—*Churn Power.*



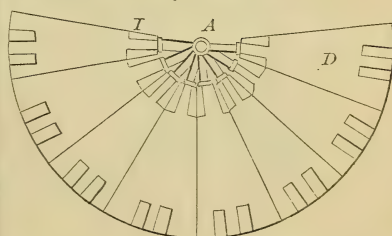
55115—T. Kennedy—*Adjusting Knobs to Spindles.*



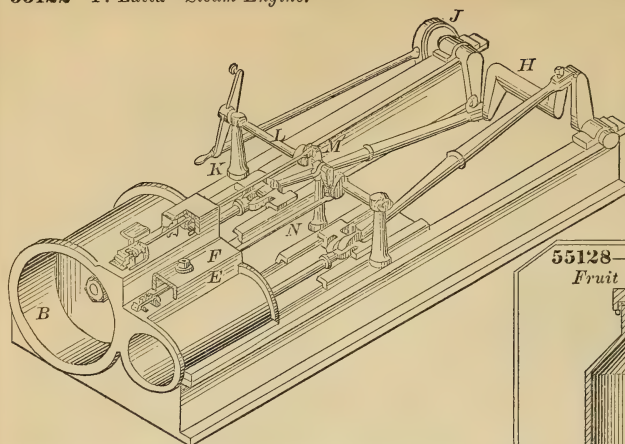
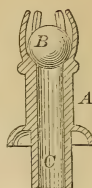
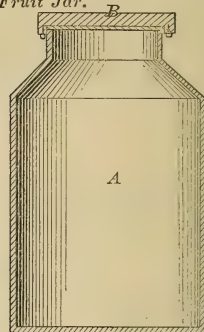
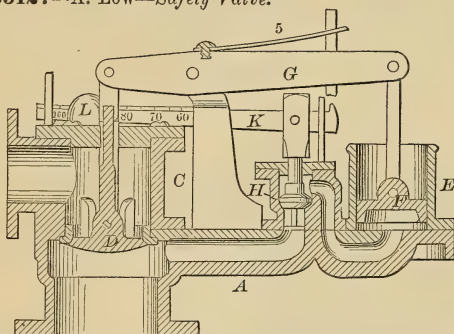
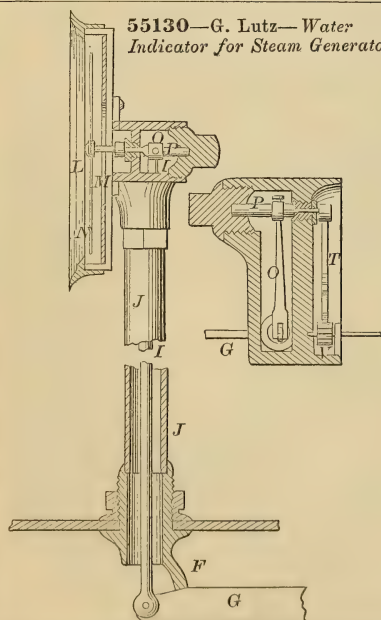
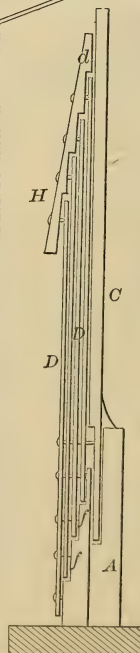
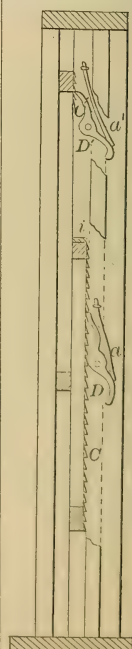
55119—A. H. Knapp—*Attaching Soles to Horse Shoes.*



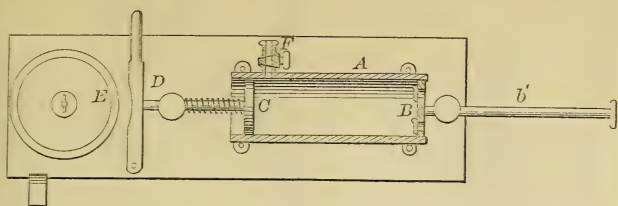
55121—N. Landry—*Coin Holder.*



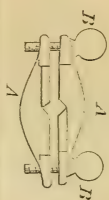


55122—F. Latta—*Steam Engine.*55124—L. Loeffler—*Decanter Stopper.*55128—J. R. & N. E. Lupton—*Fruit Jar.*55127—A. Low—*Safety Valve.*55126—S. B. Loughborough—*Fastening Keys in Locks.*55130—G. Lutz—*Water Indicator for Steam Generators.*55129—D. F. Luse—*Farm Gate.*55131—J. Lydy—*Sash Fastening.*

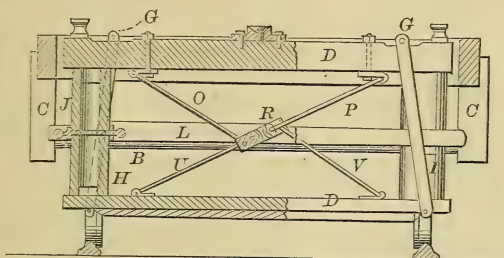
55134—B. Mackerley—Atmospheric Governor.



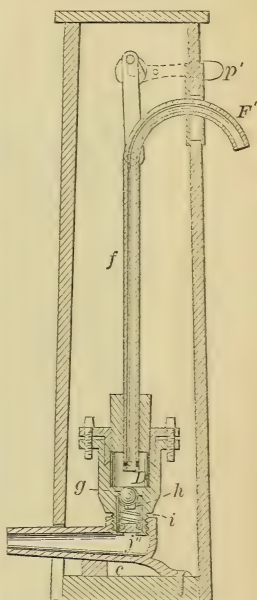
55132—S. L. Lyford—Trunge for Angers.



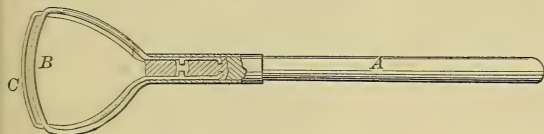
55133—T. Lyman—Car Truck.



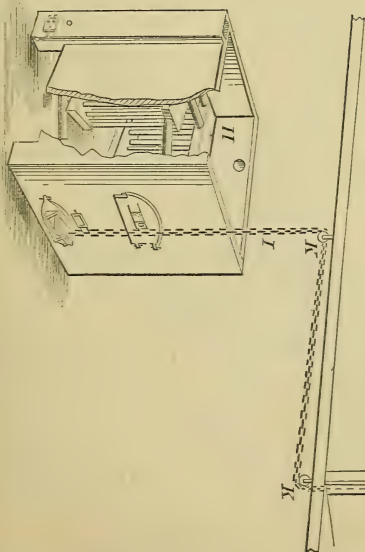
55136—R. A. McCauley—Hydrant.



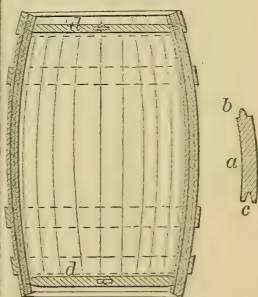
55135—H. B. Malbone—Mop Handle.

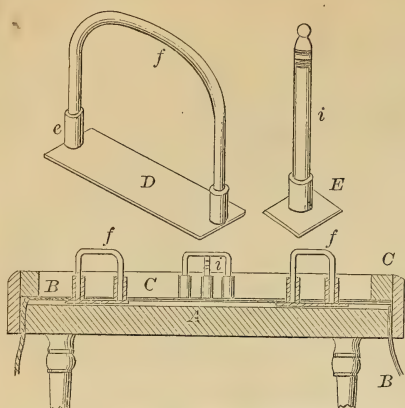
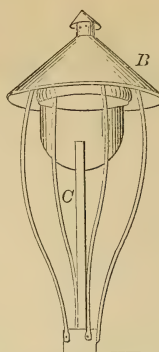
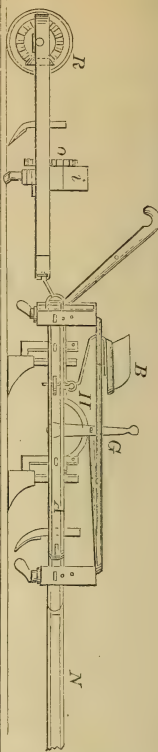
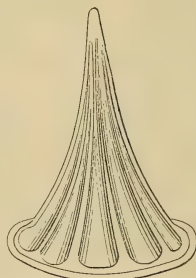
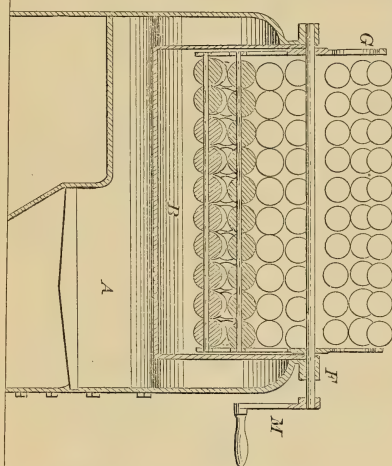
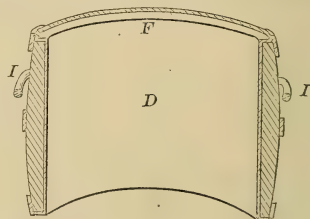
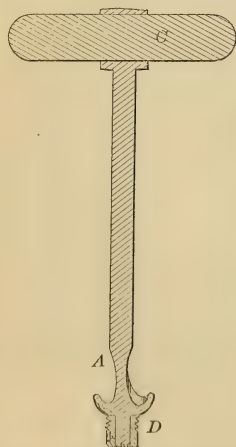
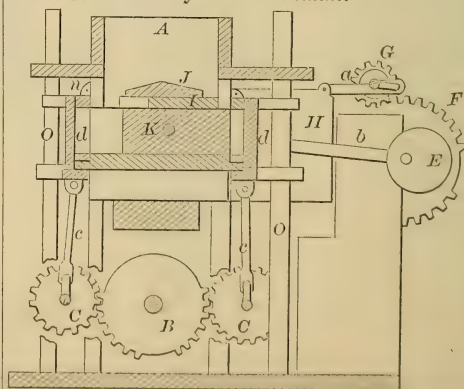


55138—A. H. Mershon—Regulating Draught of Furnaces.



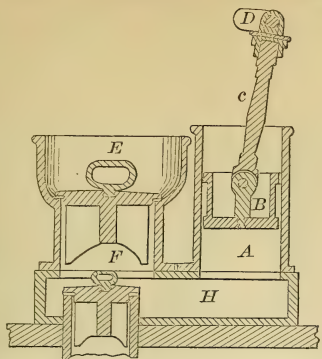
55137—J. Merrill—Cask, Barrel, and Keg.



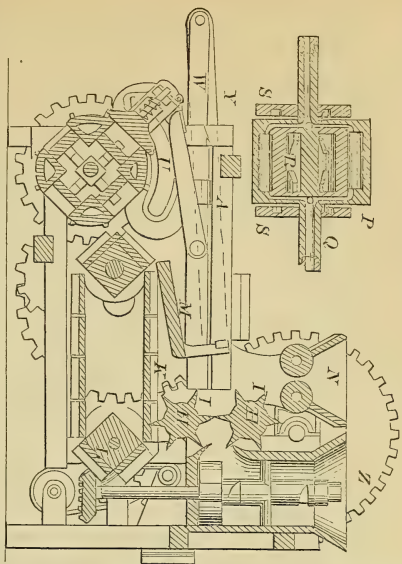
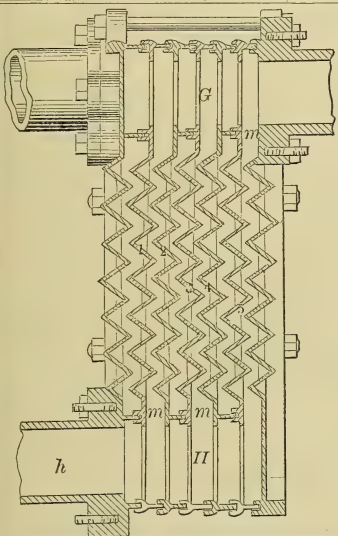
55139—W. S. Messinger—*Parlor Croquet.*55143—J. G. Miner—*Street Lamp.*55142—J. Miller—*Seeder and Cultivator.*55145—C. A. Moore—*Kettle Bottom.*55141—J. Miller—*Washing Machine.*55140—H. W. Miller—*Cheese Hoop.*55144—H. T. Moody—*Auger.*55146—I. Morley—*Brick Machine.*



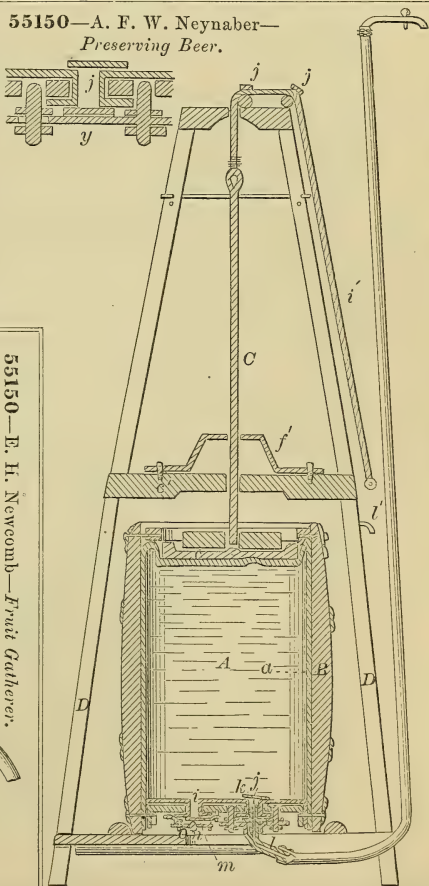
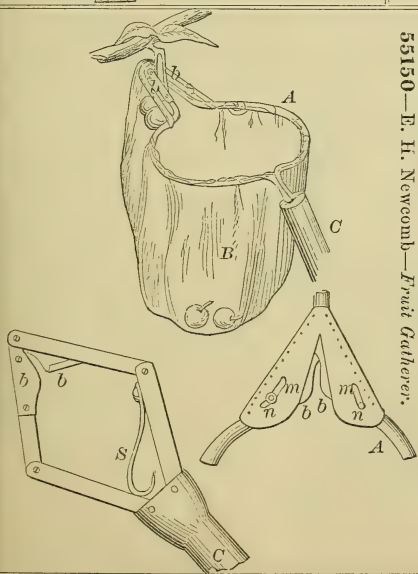
55147—G. Moulton, Jr.—*Ship's Pump.*

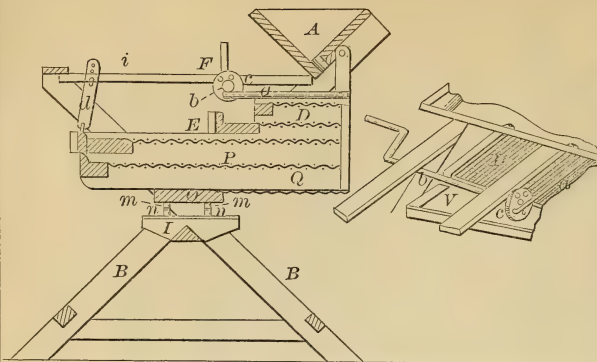
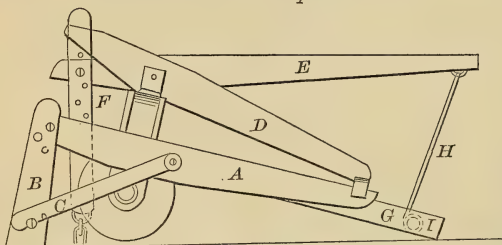
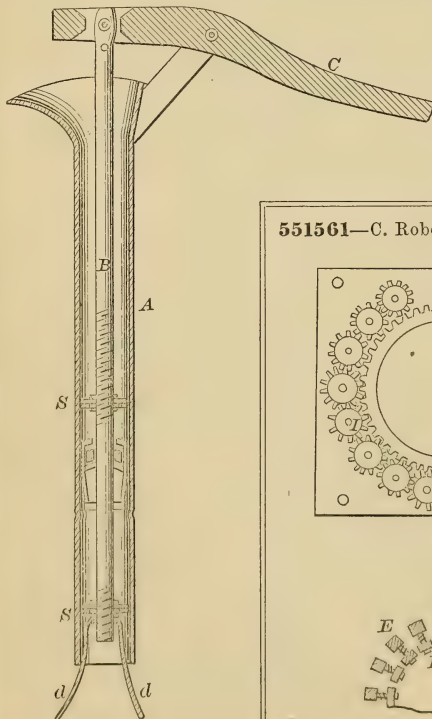
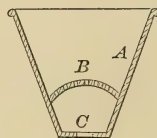
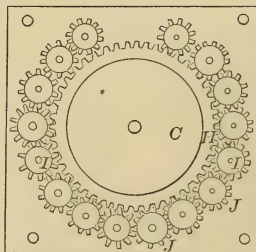
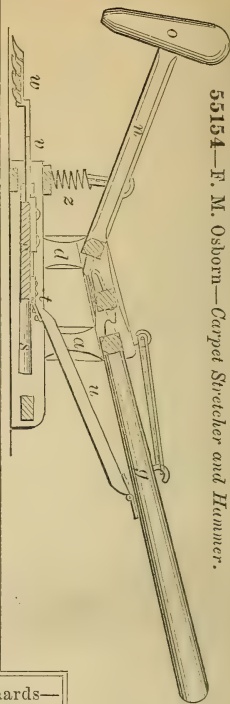
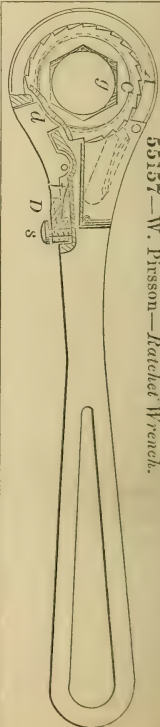


55148--C. Murtha—*Brick Machine.*

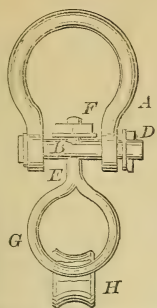
55149—J. Nason—*Surface Condenser.*

55150—A. F. W. Neynaber—  
*Preserving Beer.*

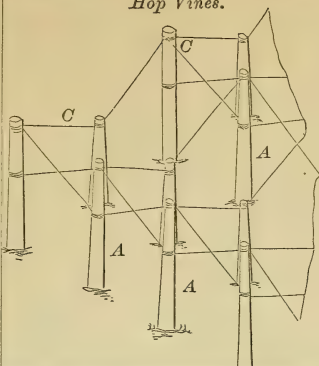
55150—E. H. Newcomb—*Fruit Gatherer*.

55152—H. Ogborn—*Grain Screen.*55156—Palmer & Gilliland—*Stump Extractor.*55155—Palmer & Bean—*Reservoir for Wells.*55159—S. Richards—*Manufacturing Glass.*551561—C. Roberts—*Washing Machine.*55154—F. M. Osborn—*Carpet Stretcher and Hammer.*55157—W. Pirsson—*Ratchet Wrench.*

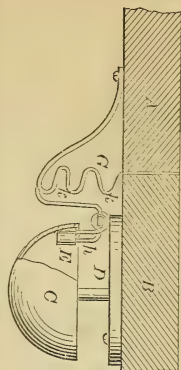
55162—T. B. Roche—*Steel Shackle.*



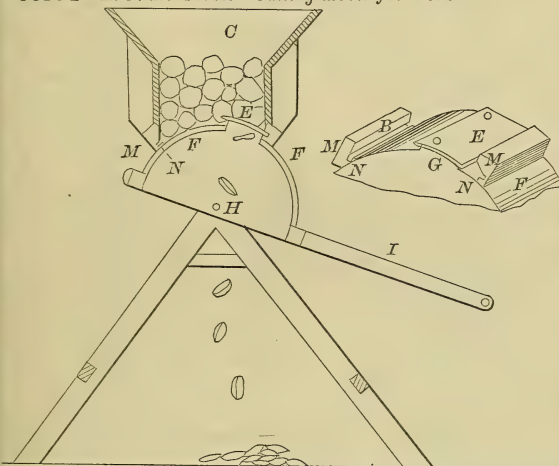
55163—B. C. Rogers—*Training Hop Vines.*



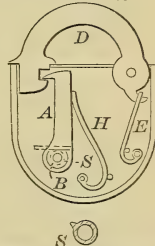
55165—A. J. Ross—*Burglar Alarm.*



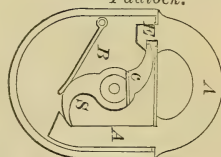
55164—E. J. Roosevelt—*Cutting Roots for Feed.*



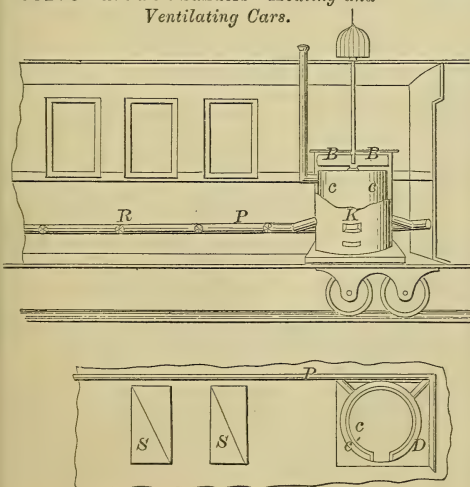
55166—C. W. Saladee—*Padlock.*



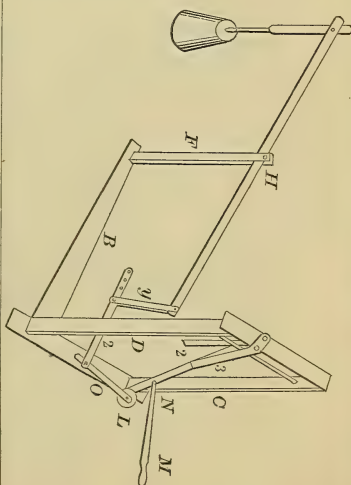
55167—C. W. Saladee—*Padlock.*



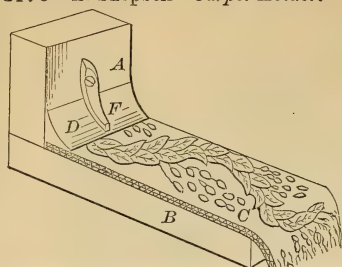
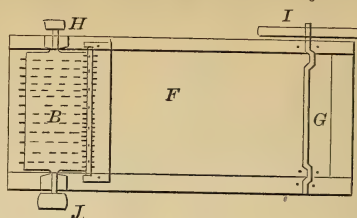
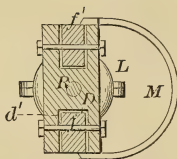
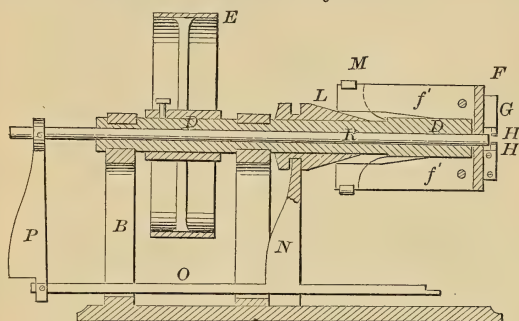
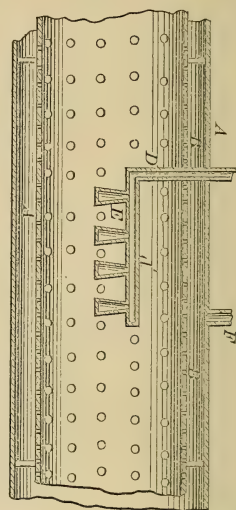
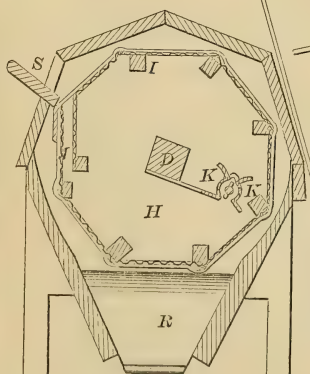
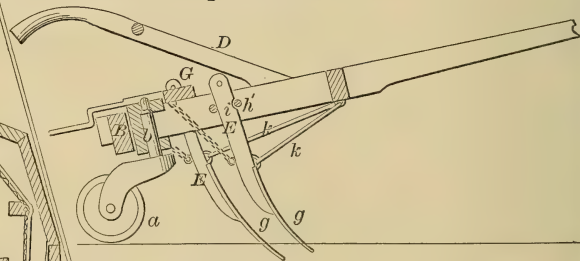
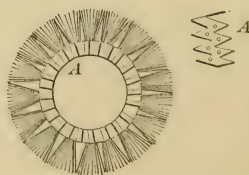
55168—T. H. B. Sanders—*Heating and Ventilating Cars.*



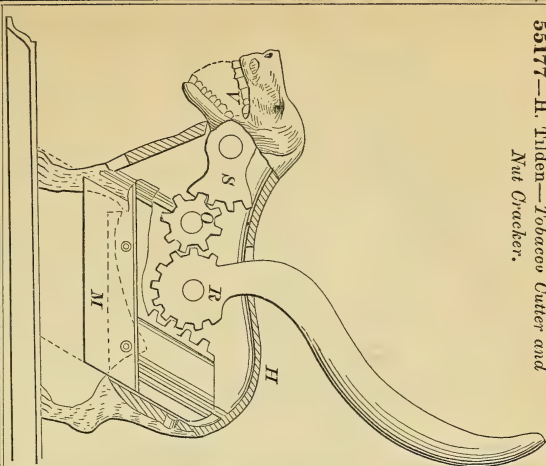
55169—J. F. Seaman—*Churn.*



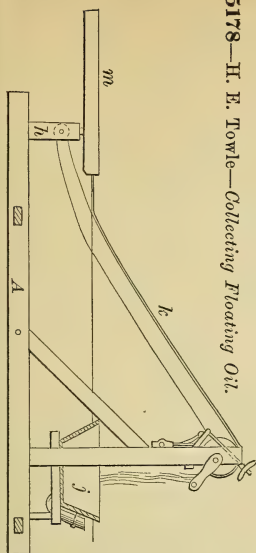


55170—E. Shopbell—*Carpet Holder.*55173—H. M. Smith—*For Cutting Tobacco.*55171—A. B. Simonds—*Screw Cutting Machine.*55172—A. J. Smith—*Steam Generator.*55174—Stevenson & Crider—*Grain Cleaner.*55175—A. D. Stocking—*Cultivator.*55176—S. Stuart—*Rotary Brush.*

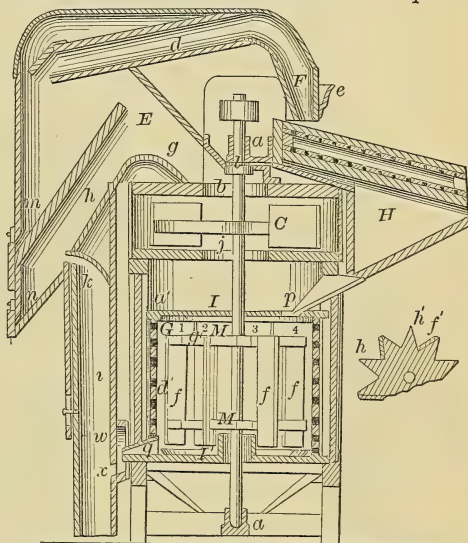
55177—H. Tilden—Tobacco Cutter and Nut Cracker.



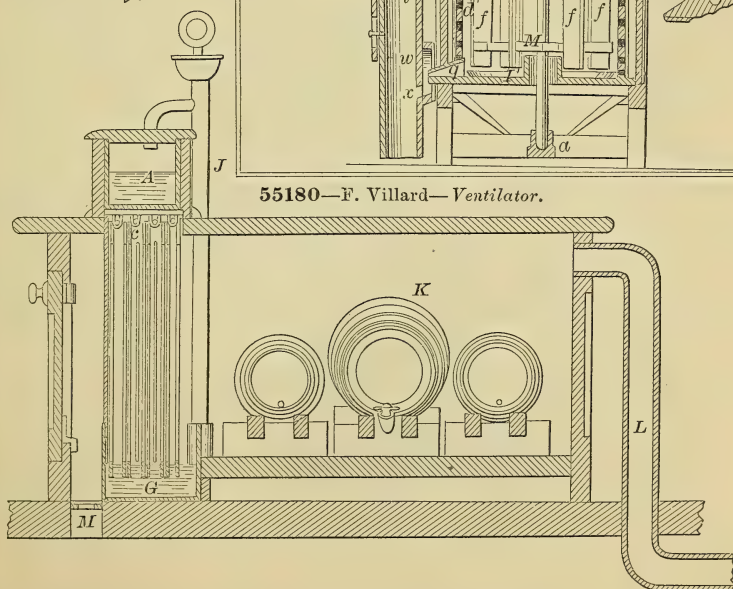
55178—H. E. Towle—Collecting Floating Oil.



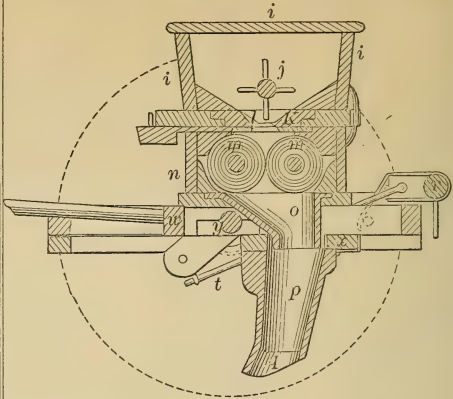
55179—B. T. Trimmer—Grain Cleaner and Separator.



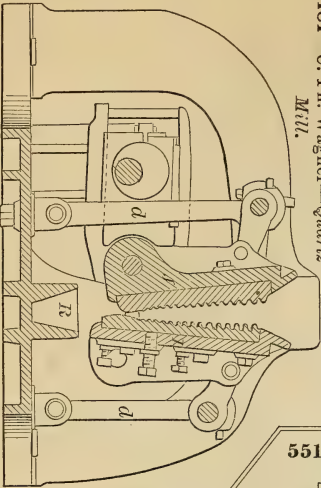
55180—F. Villard—Ventilator.



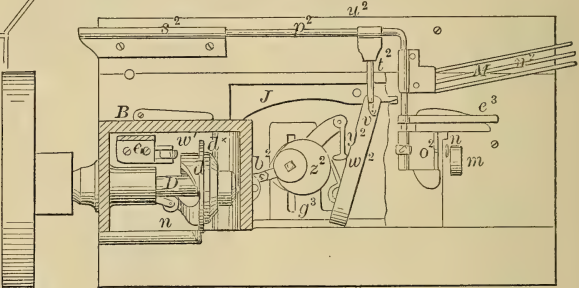
55184—L. N. Warren—Grain Drill.



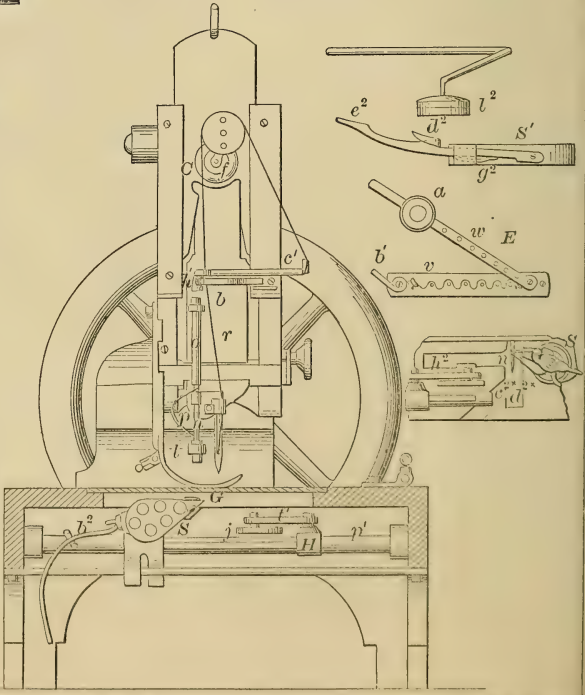
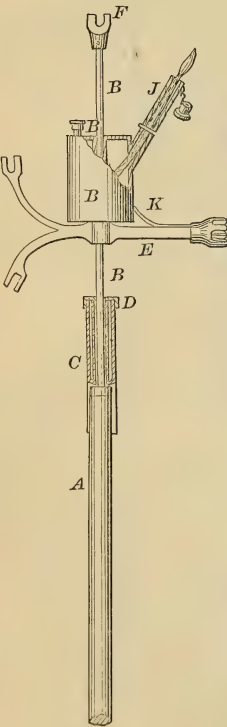
55181—C. Ph. Wagner—Quartz Mill.



55182—A. Warth—Sewing Machine.

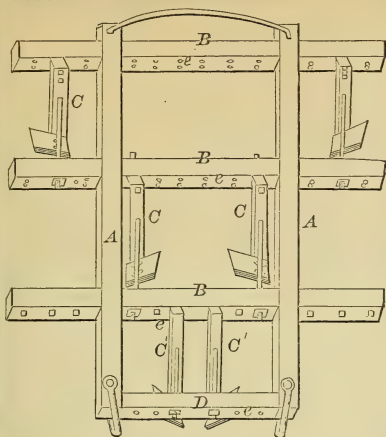


55183—Walters & Wilson—Torch.

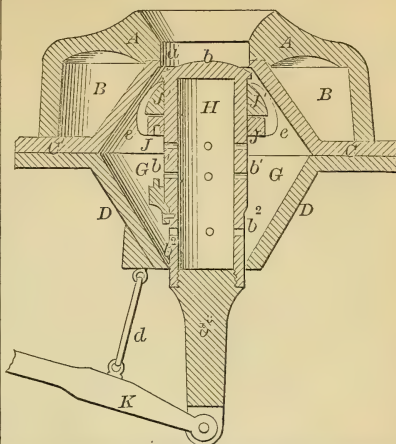




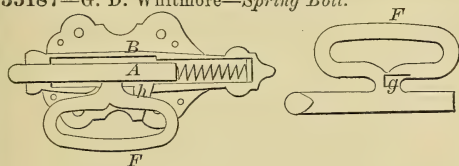
55185—T. U. Webb—Cultivator.



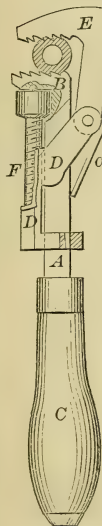
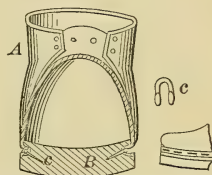
55186—J. Weller—Tuyere.



55187—G. D. Whitmore—Spring Bolt.

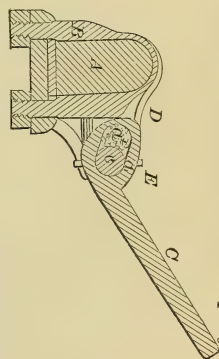
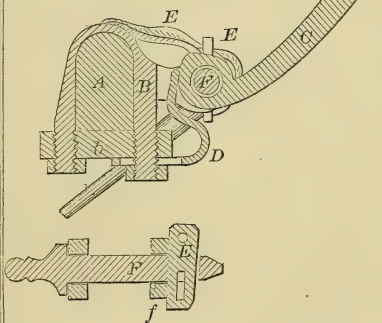


55188—H. Wight—Boots and Shoes.



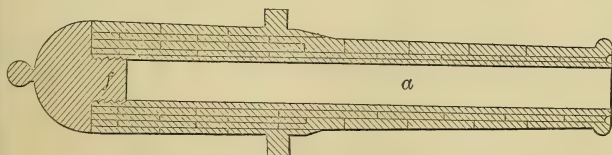
55190—W. W. Wills—Type Wrench.

55192—A. & G. Woerber—Thill Coupling.



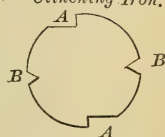
55191—A. & G. Woerber—Thill Coupling.

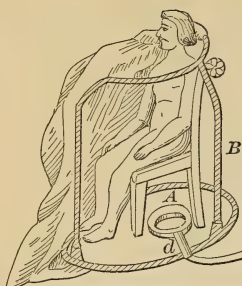
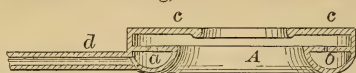
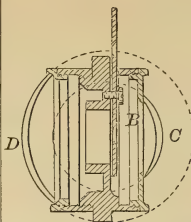
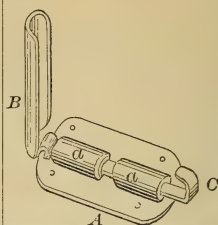
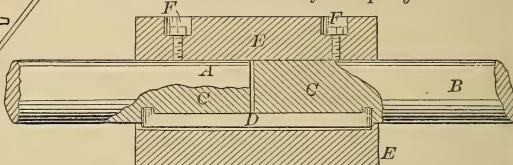
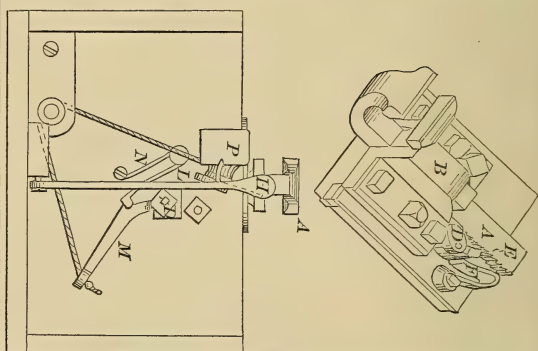
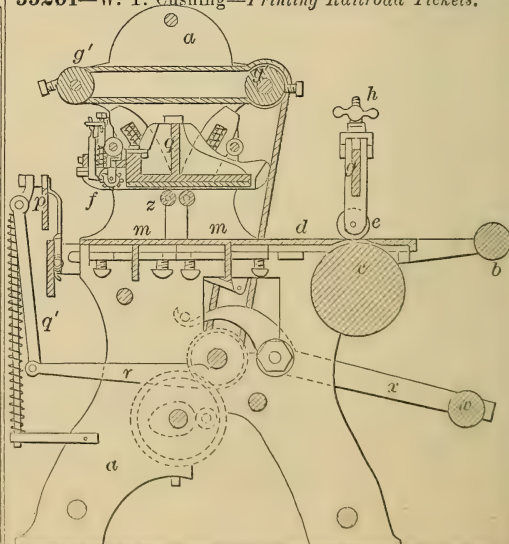
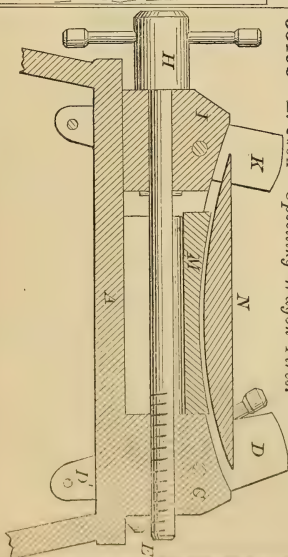
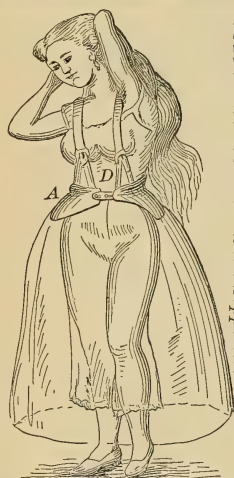
55193—L. W. Wright—Ordnance.



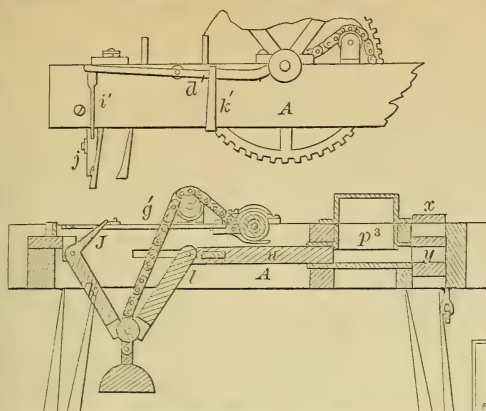
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D. H. Williams—Clinching Iron.

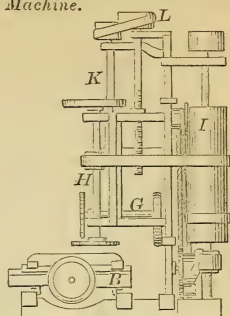


55194—J. Young, M. D.—*Steam Bath.*55195—  
J. Zentmayer—  
*Photographic Lens.*55197—F. D. Ballou—  
*Buckle Clasp.*55198—G. L. Baum—*Shaft Coupling.*55200—P. Crowl—*Vise.*55201—W. T. Cushing—*Printing Railroad Tickets.*55199—E. Cook—*Upsetting Wagon Tires.*55196—W. Baeheller—*Skirt Supporter.*

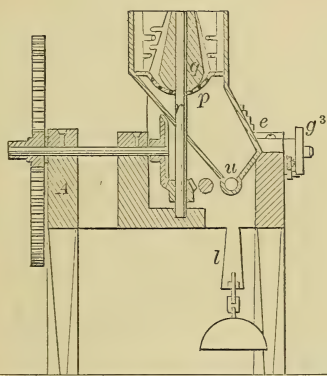
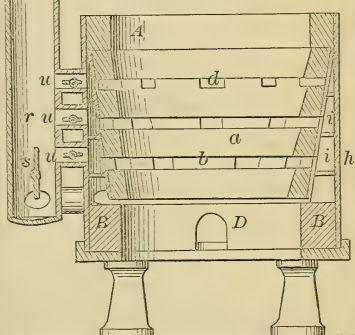
55205—S. Marden—For Preparing Peat.



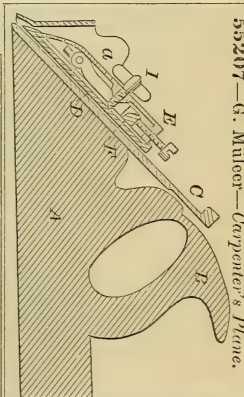
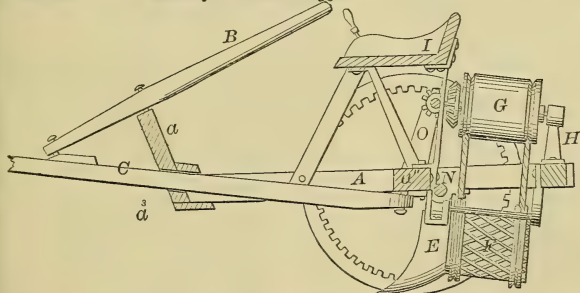
55202—B. W. Durkee—Sawing Machine.



55204—Mackenzie & Isbell—Cupola and other Furnaces.

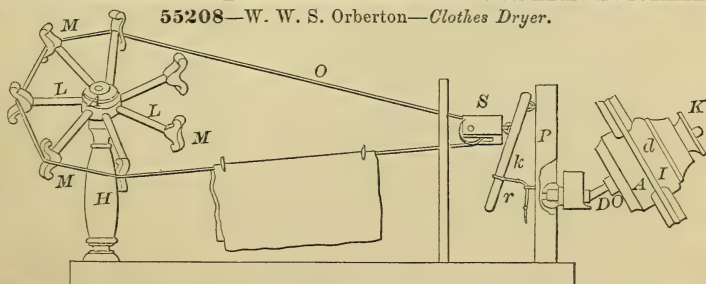


55206—F. A. Morley—Potato Digger.

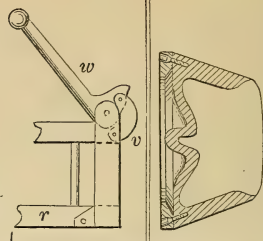
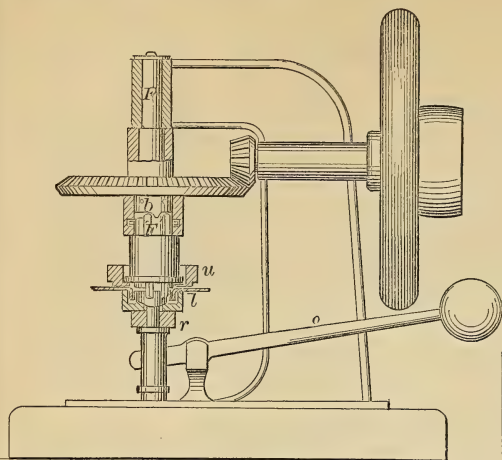
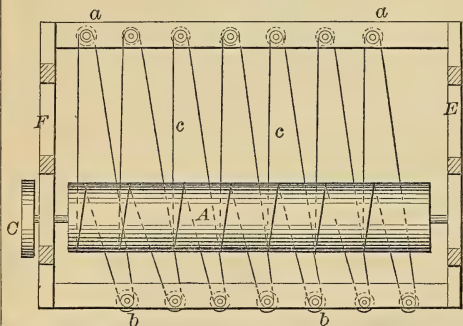
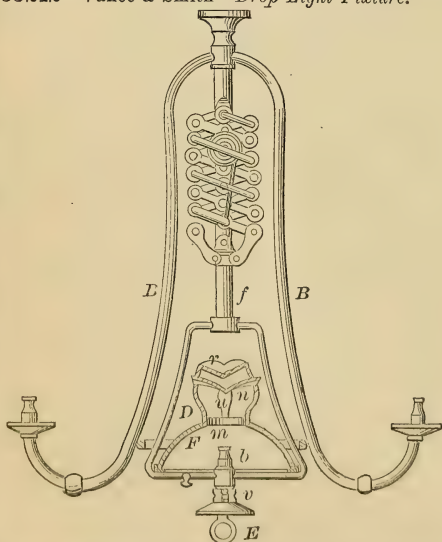
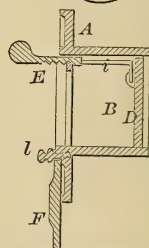
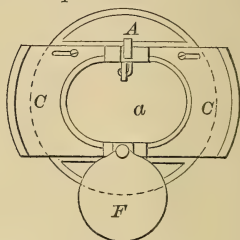
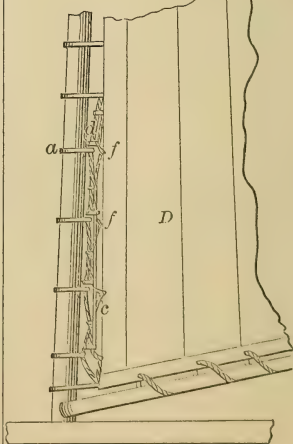


55207—G. Mulceer—Carpenter's Plane.

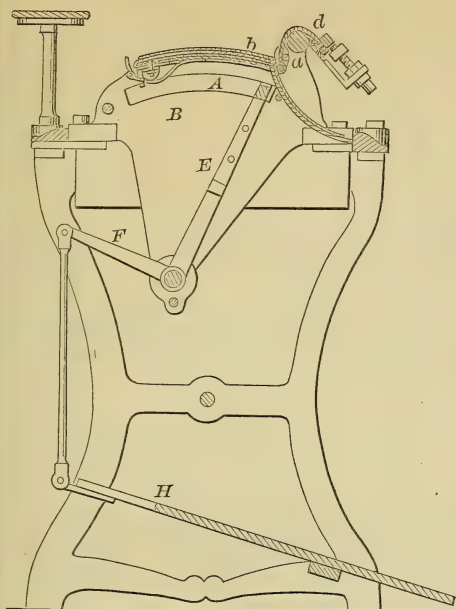
55208—W. W. S. Orberton—Clothes Dryer.



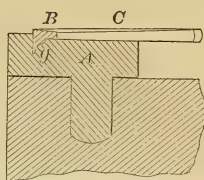


55209—E. Paye—*For Turning Boiler Flanges.*55215—T. H. Ince—*Attaching Shoes to Horses.*55211—J. Sutherland—*Driving Spindles in Spinning Frames.*55212—Vance & Smith—*Drop Light Fixture.*55210—J. F. Severance—*Stove Pipe Thimble.*55213—W. Woodbury—*Bending Fore and Aft Sails.*

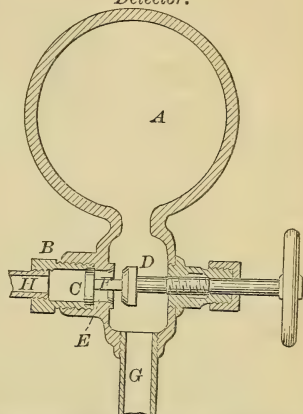
55217—G. A. Reiniger—Cigar Machine.



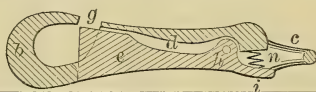
55220—H. Armstrong—Horse Shoe.



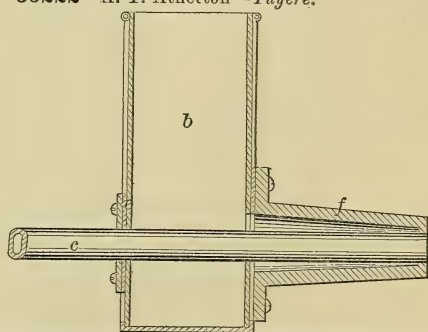
55221—J. Ashcroft—Low Water Detector.



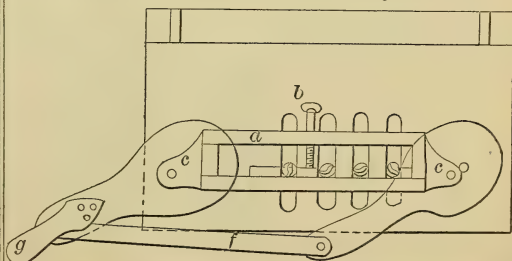
55219—E. A. Andrews—Snap Hook.



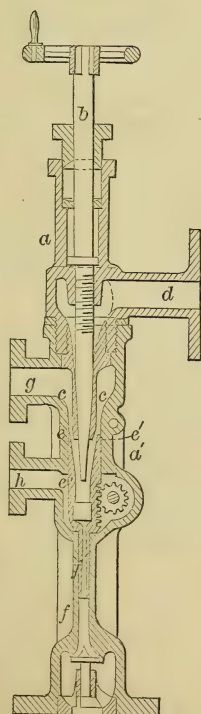
55222—A. T. Atherton—Tuyere.



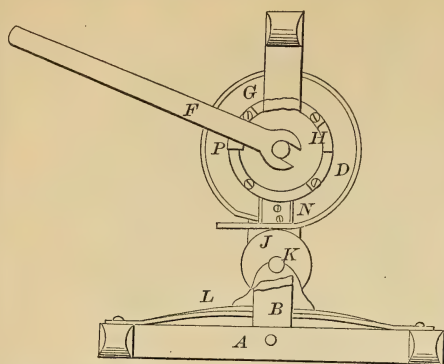
55223—J. S. L. Babbs—Dovetailing Machine.



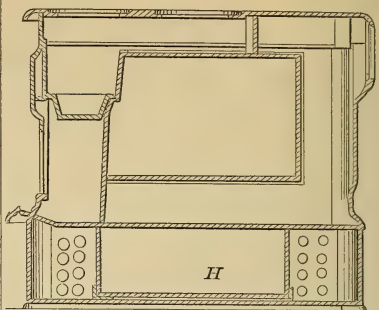
55218—Robinson & Gresham—Water Injector.



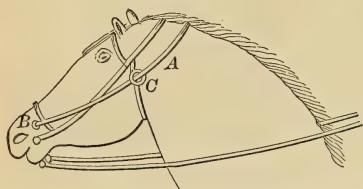
55224—D. Ballou—Tire Bending Machine.



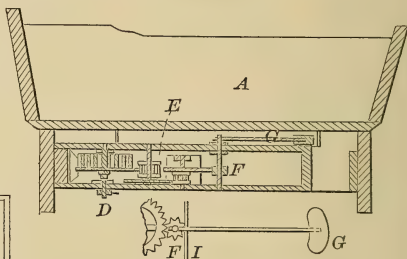
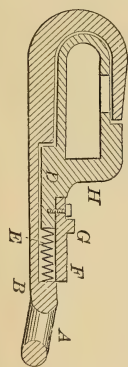
55225—A. C. Barstow—Cooking Stove.



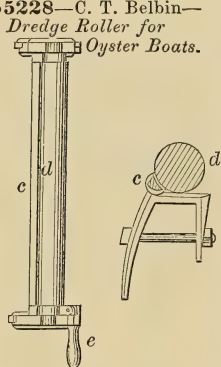
55226—W. O. Bartlett—Bridle.



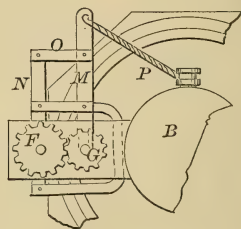
55227—W. Bedle—Cradle.

55228—C. T. Belbin—  
Dredge Roller for  
Oyster Boats.

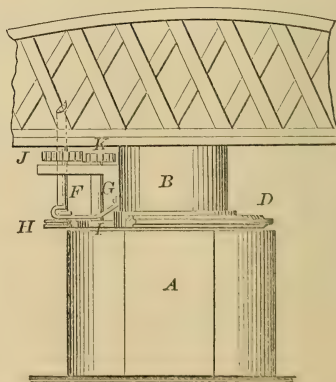
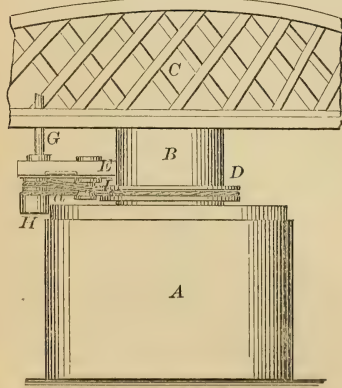
55229—Bellairs &amp; Barto—Snag Hook.



55231—W. N. Berkeley—Turning Bridges.

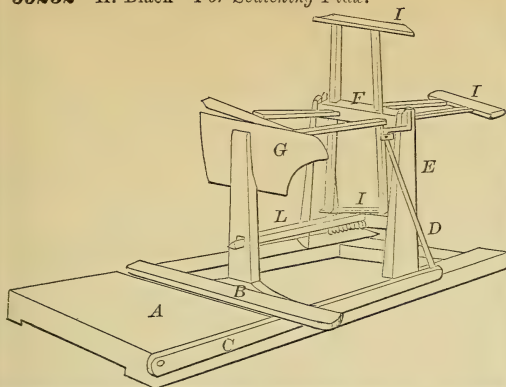


55230—W. N. Berkeley—Turning Bridges.

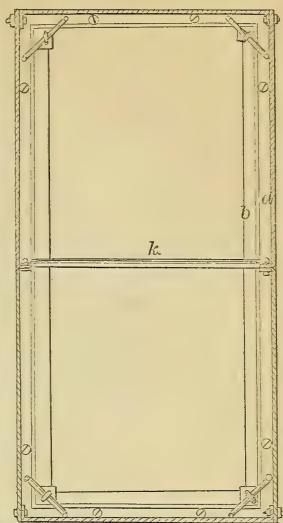




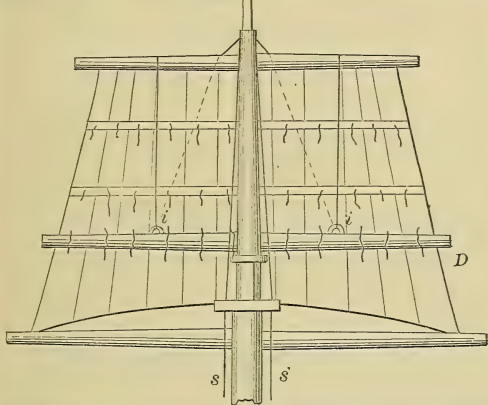
55232—H. Black—For Scutching Flax.



55235—J. Braidwood—Coffer Dam.



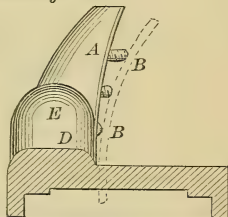
55236—H. Brown—Sail.



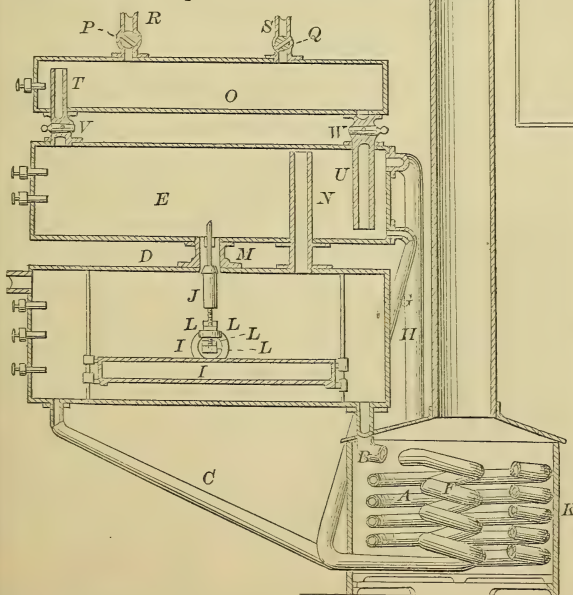
55233—A. S. Blake—Metallic Cartridge.



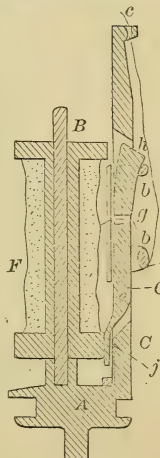
55238—A. Casebeer—For Jointing Staves.



55237—J. A. Campbell—Steam Generator.

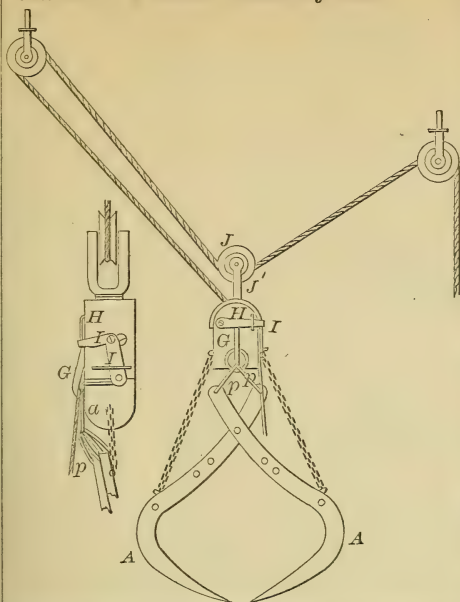


55239—Chambers & Robinson—Yarn Delivery for Braiding Machines.





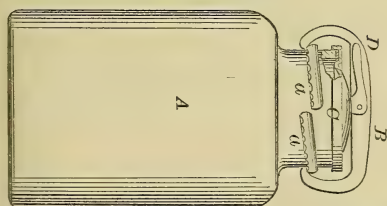
55246—C. N. Culver—Horse Hay Fork.



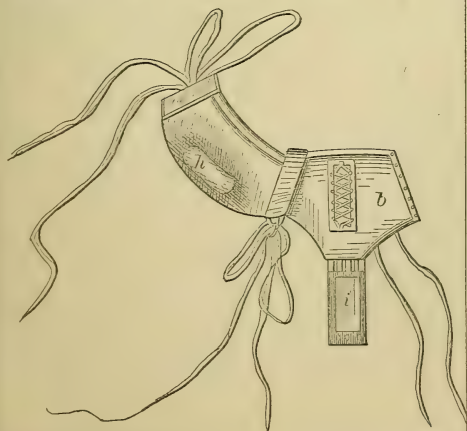
55247—L. Daggett—Inner Sole.



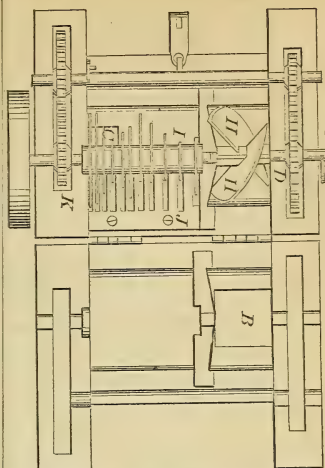
55248—R. M. Dalbey—Fruit Jar.



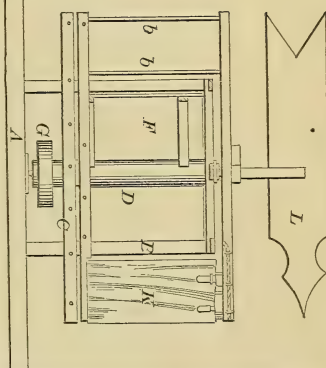
55252—E. Dexter—Abdominal Supporter.



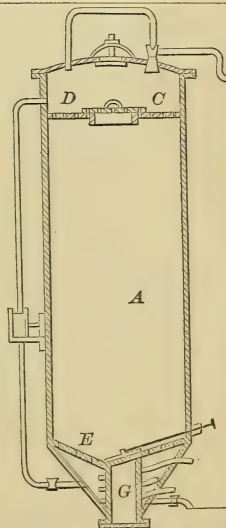
55251—J. Derr—Meat Cutter.



55250—M. Depue—Wind Power.

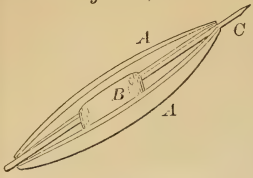


55253—J. W. Dixon—For Pulping Wood.

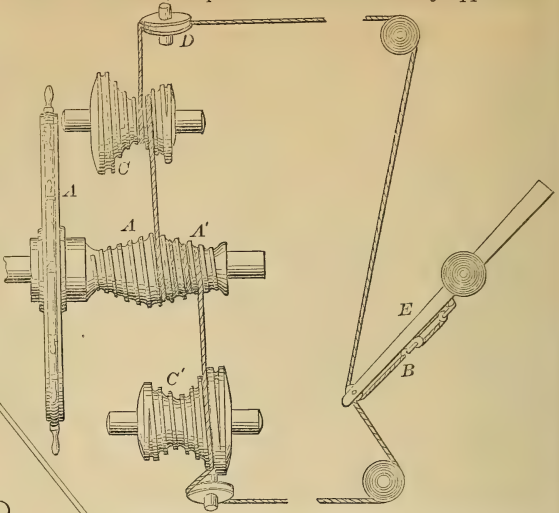




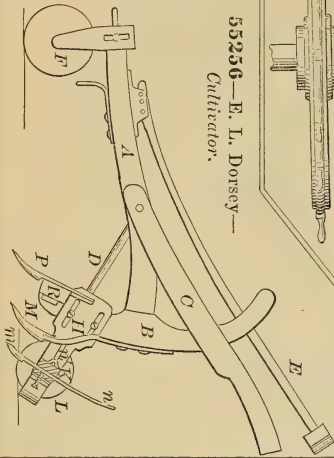
55254—A. Dobrowsky—  
Tatting Shuttle.



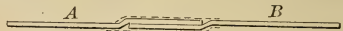
55257—Dumont, Dupraz & Dickason—Steering Apparatus.



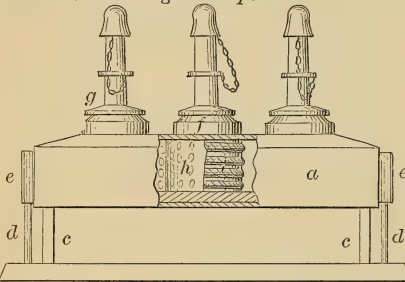
55256—E. L. Dorsey—  
Cullinator.



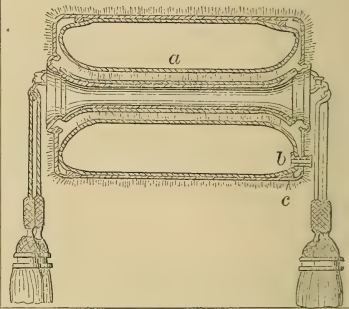
55258—J. E. Earle—Attaching Hoop Skirt Wire.



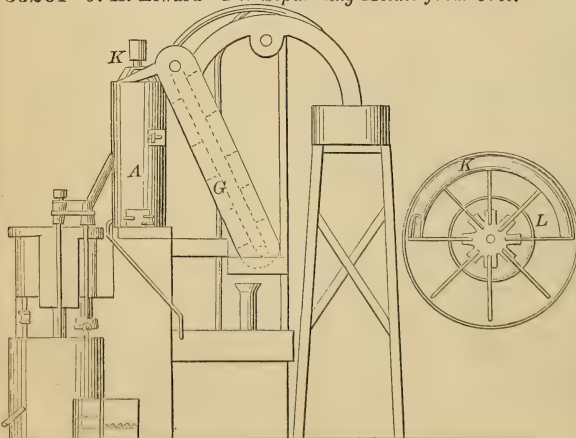
55255—S. P. Dodge—Lamp.



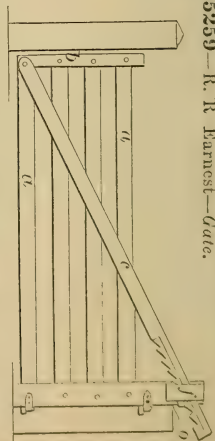
55260—T. Eckert—Ladies' Muff.



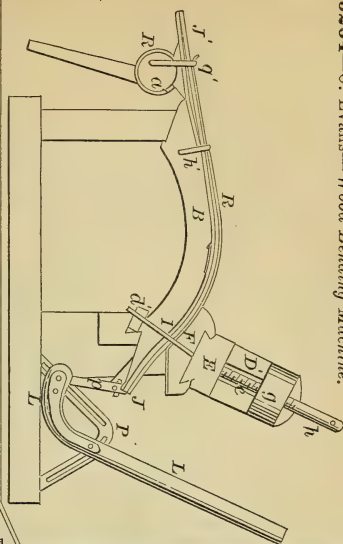
55261—J. H. Elward—For Separating Metals from Ores.



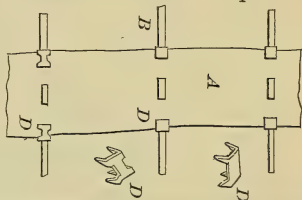
55259—R. R. Earnest—Gate.



55264—O. Evans—Wood Bending Machine.



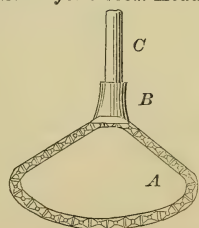
55266—M. Fishel—Hoop Skirt.



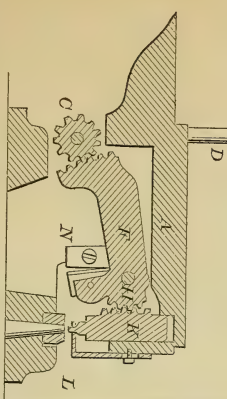
55267—M. Fishel—For Punching Fabrics and introducing Flut Skirt Wire therein.



55269—A. D. Forbes—Stock for Broom Head.



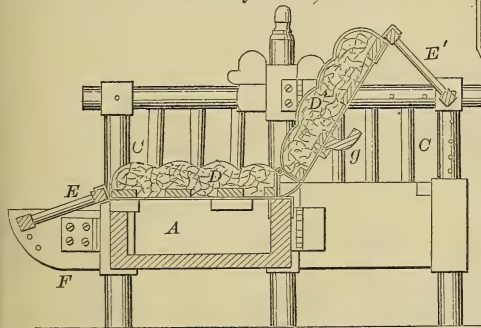
55263—J. E. Emerson—Forging, Shearing and Punching Device.



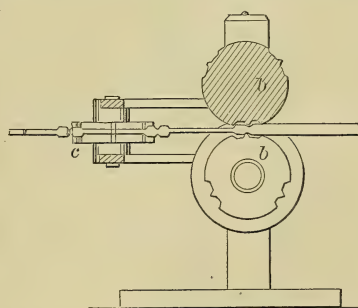
55262—J. E. Emerson—Sawge for Sharpening Saw Teeth.



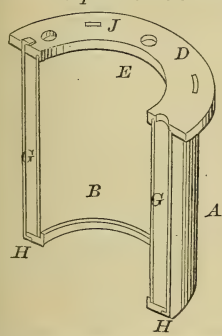
55265—E. E. Everett—Sofa and Crib.



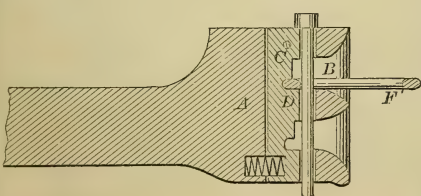
55270—T. Fowler—Horse Shoe Nail.



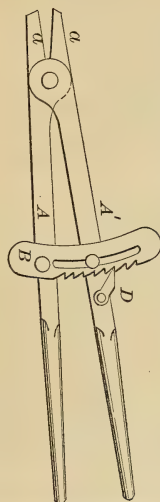
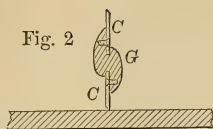
55268—C. H. Fitch—Stove Pipe Thimble.



55271—E. J. Frazier—Car Coupling.

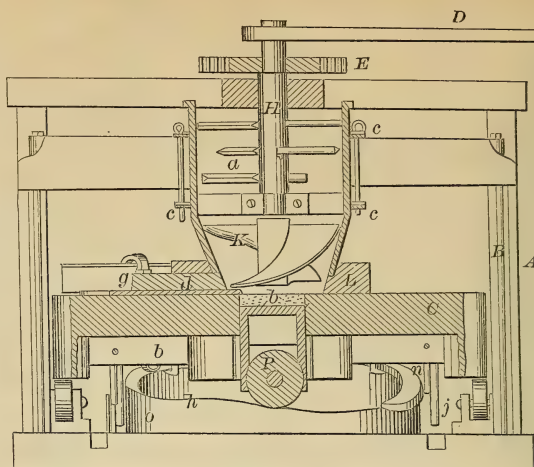


55272—A. Fuller—*Planing Machine.*

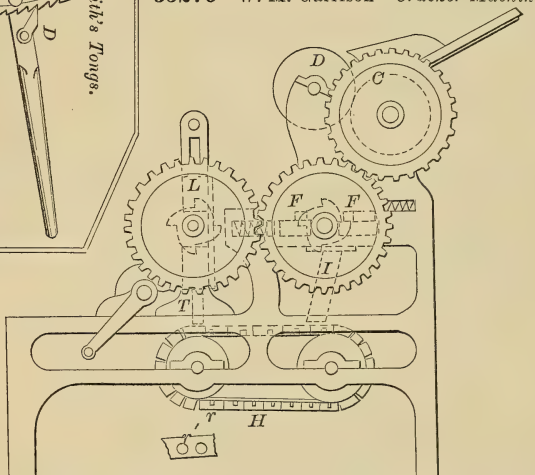


55275—J. C. Gardner—*Smith's Tongs.*

55274—B. M. Gard—*Brick Machine.*



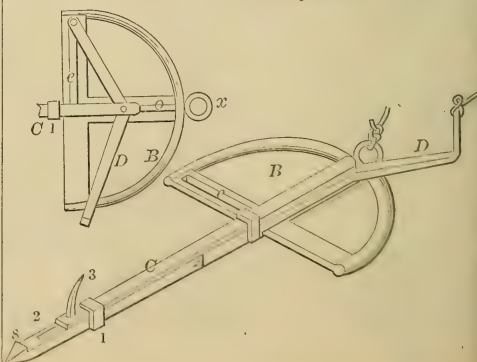
55276—W. M. Garrison—*Cracker Machine.*



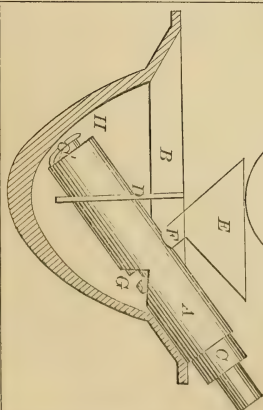
55277—S. F. Gates—*Rock Drill.*



55278—E. Gilliam—*Horse Hay Fork.*

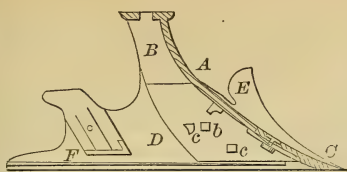


55273—H. L. Fulton—*For Amalgamating Gold and Silver with Lead.*

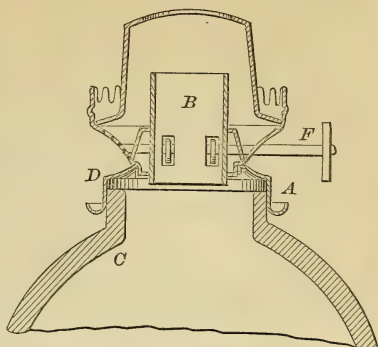




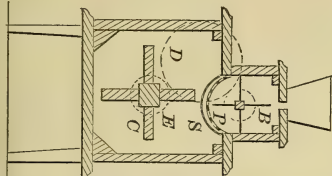
55279—Gilson & Martin—*Plow.*



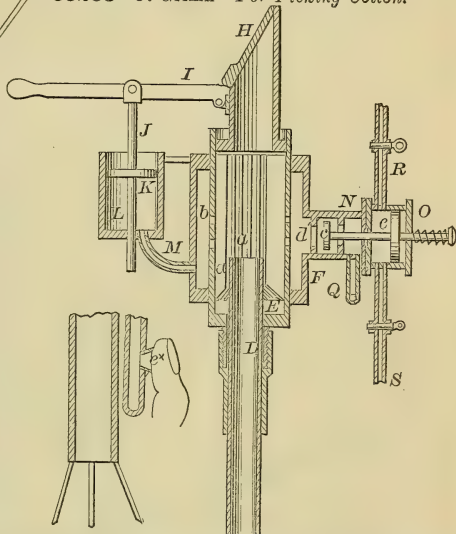
55280—R. A. Goodyear—*Lamp.*



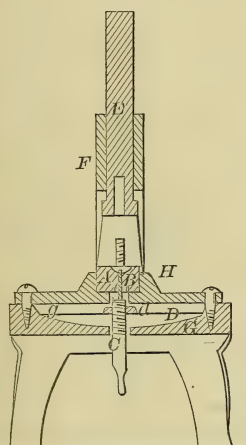
55281—B. Graham—*Churn.*



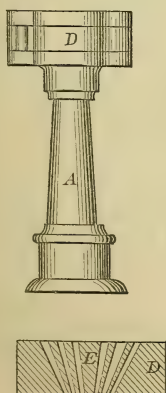
55283—J. Griffin—*For Picking Cotton.*



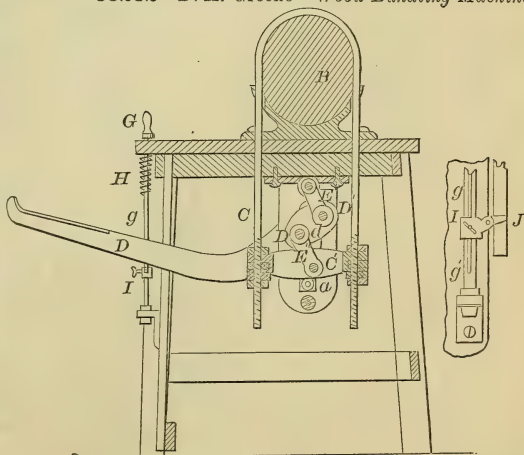
55284—C. T. Grilley—*Capping Wood Screws.*



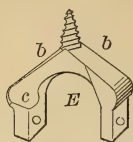
55285—W. Gurley—*Water Spreading Nozzle for Fire Engines*



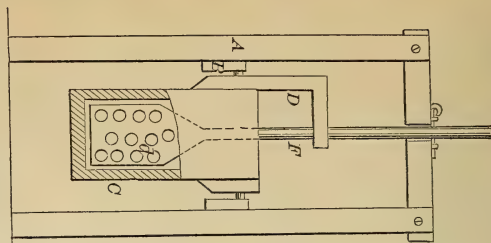
55282—D. A. Greene—*Wood Bundling Machine.*



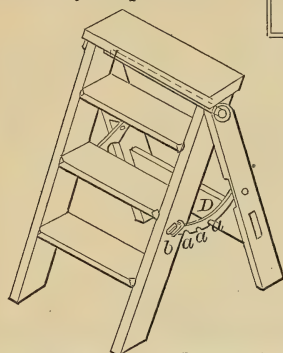
**55286**—S. N. Haight—*Self-Inserting Faucet.*



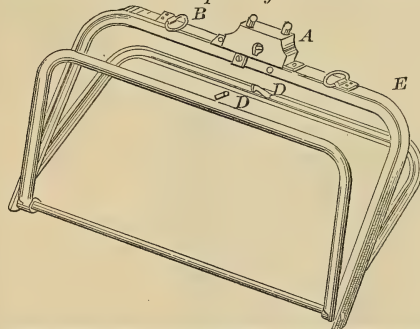
**55287**—A. W. Hall—*Churn.*



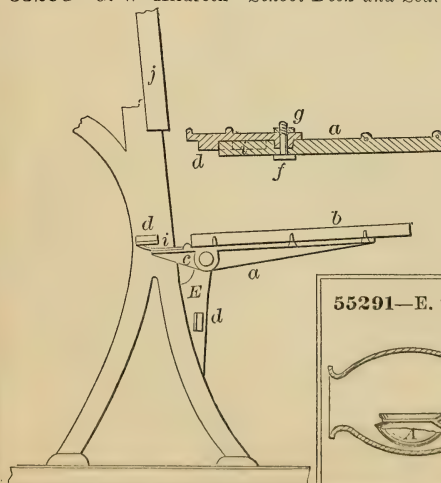
**55288**—Hammond & Hathaway—*Step Ladder.*



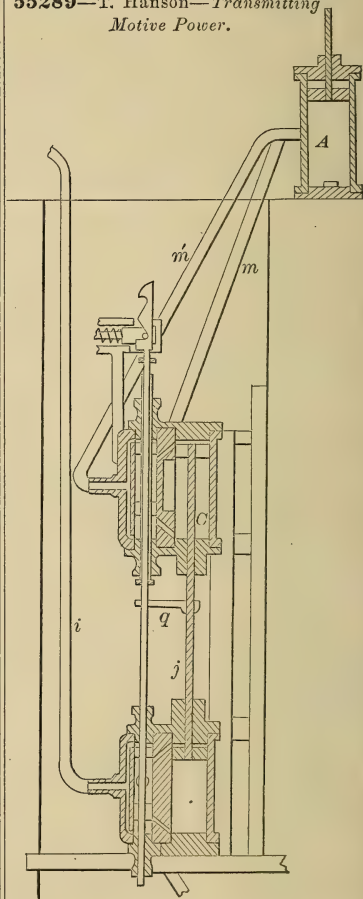
**55290**—G. Havell—*Carpet Bag Frame.*



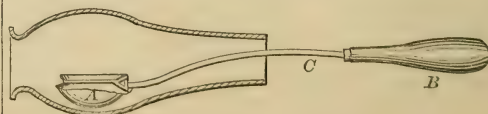
**55293**—G. W. Hildreth—*School Desk and Seat.*



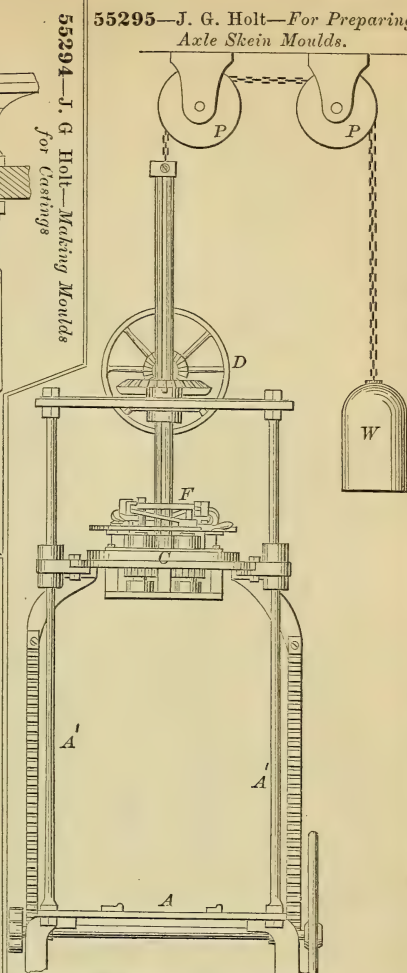
**55289**—T. Hanson—*Transmitting Motive Power.*



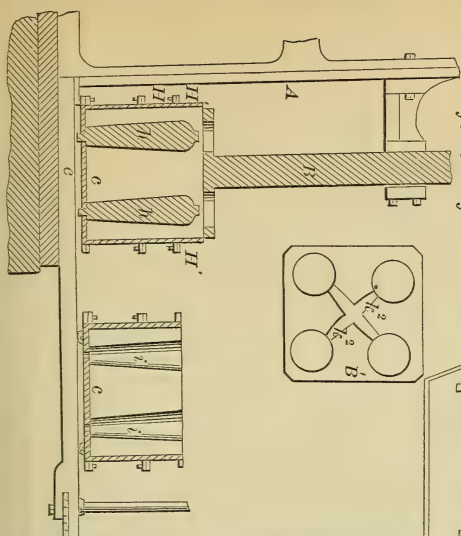
**55291**—E. T. Hazeltine—*Lamp Chimney Cleaner.*



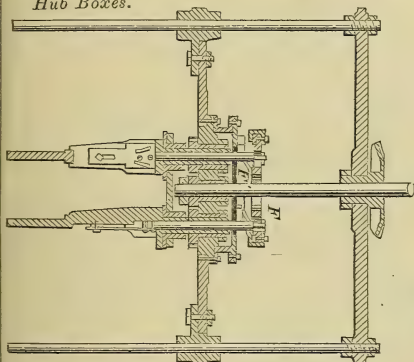
55295—J. G. Holt—For Preparing Axle Skein Moulds.



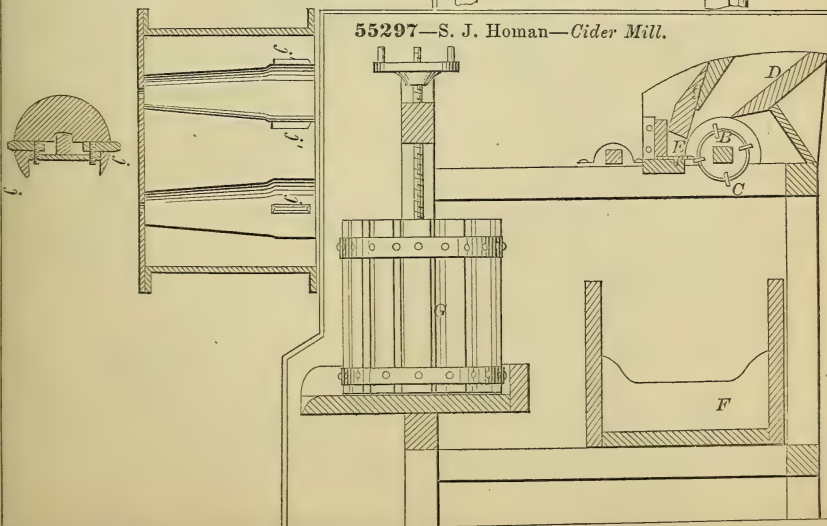
55294—J. G. Holt—Making Moulds for Castings



55296—J. G. Holt—Preparing Moulds for Hub Boxes.

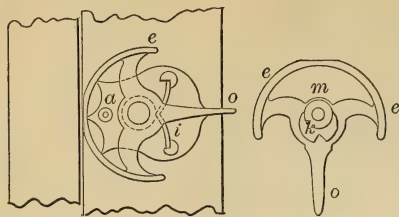


55297—S. J. Homan—Cider Mill.

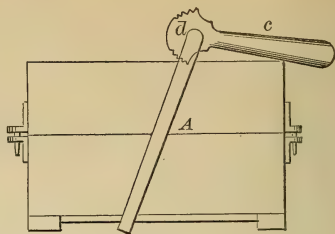




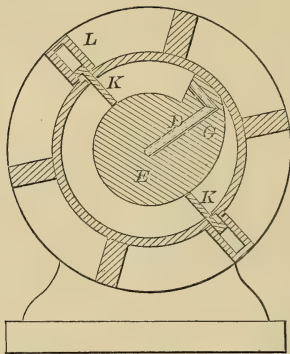
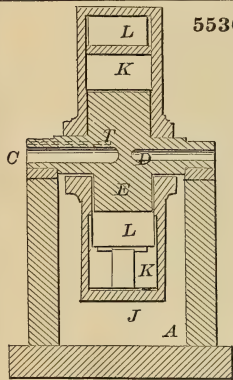
55298—W. W. Hosford—*Sash Fastening.*



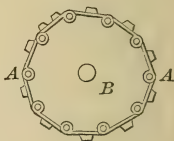
55302—P. F. Hulbert—*Clamp.*



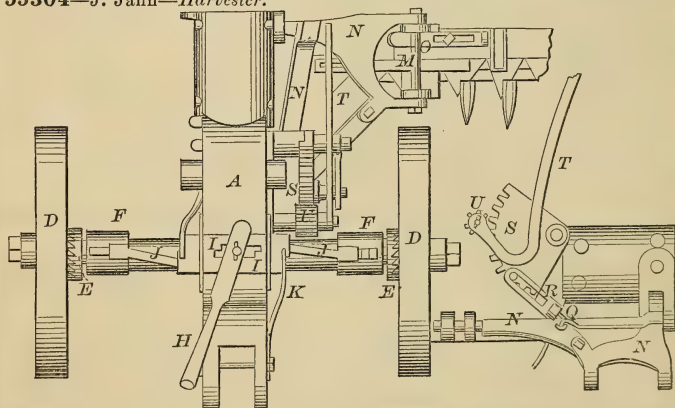
55301—R. Hughes—*Rotary Engine.*



55300—T. S. Hudson—*Printing Wheel.*

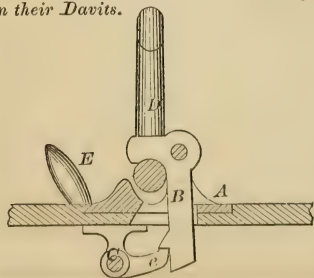


55304—J. Jann—*Harvester.*

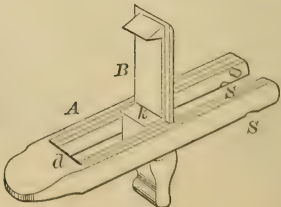


55299—T. S. Hudson—*Printing Type.*

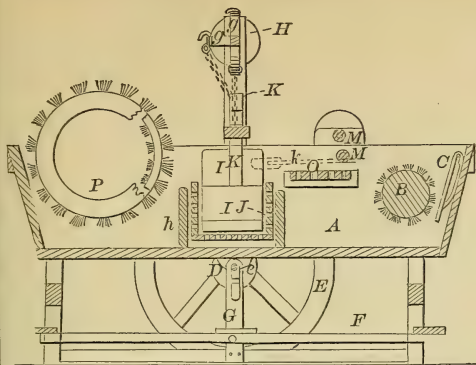
55303—T. Huntington—*For Detaching Boats from their Davits.*



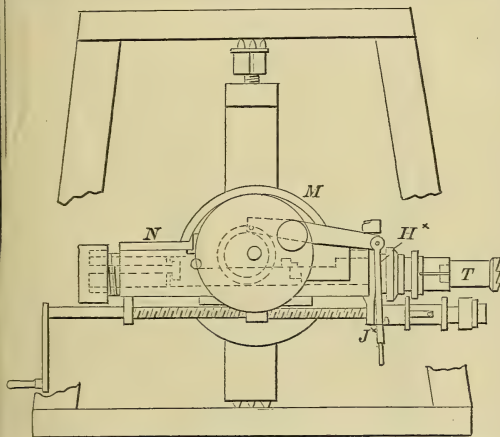
55305—Janney & Hamilton—*Door Fastener*



55306—J. H. Jenkins—*Washing Machine.*

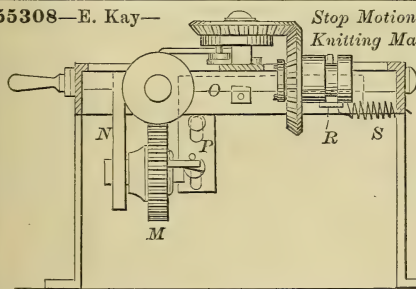


55307—Jenks & Gardner—*Rock Drill.*

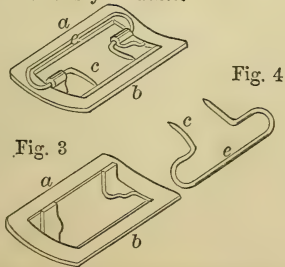


55308—E. Kay—

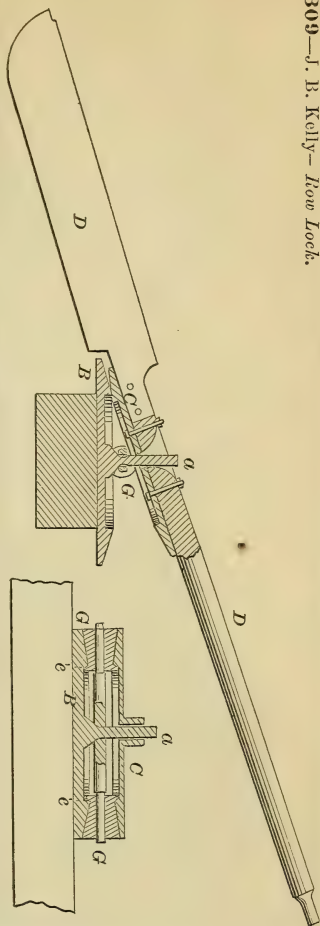
*Stop Motion for Knitting Machines.*



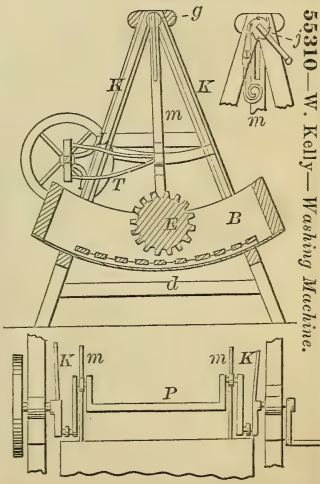
55311—G. R. Kelsey—*Buckle.*

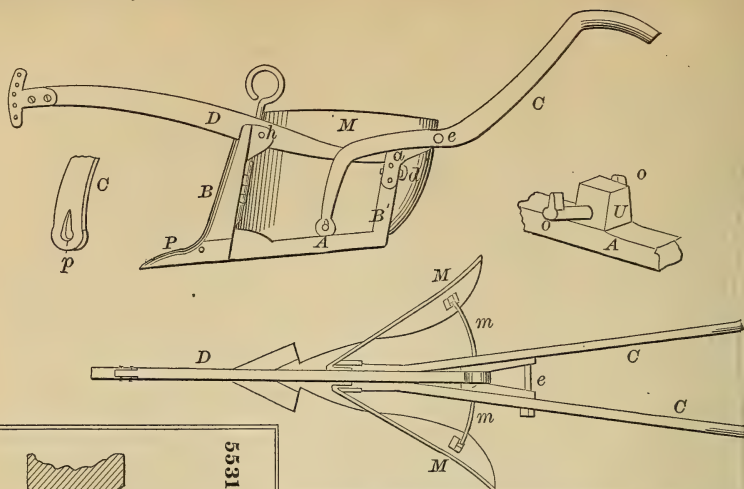
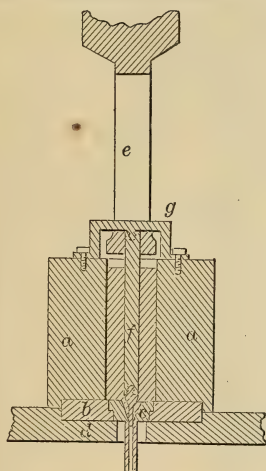
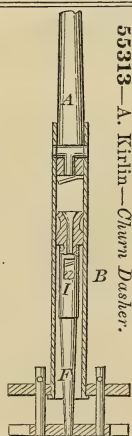
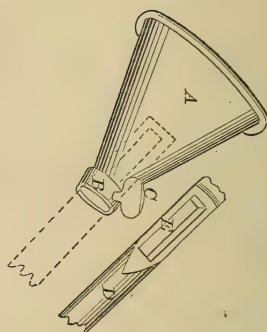
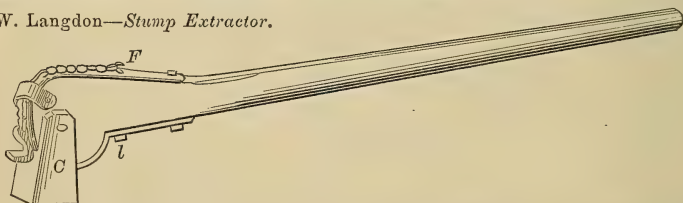
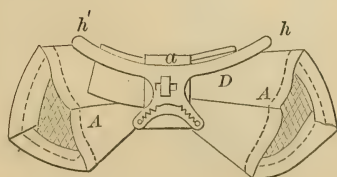
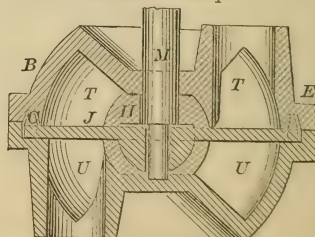


55309—J. B. Kelly—*How Lock.*



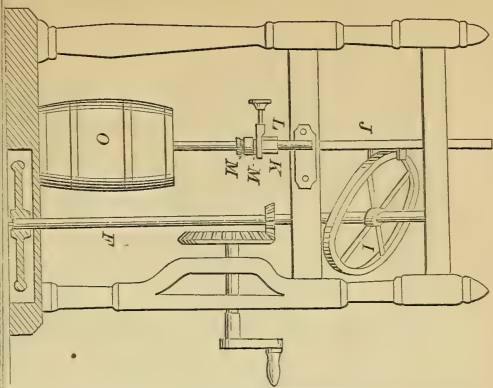
55310—W. Kelly—*Washing Machine.*



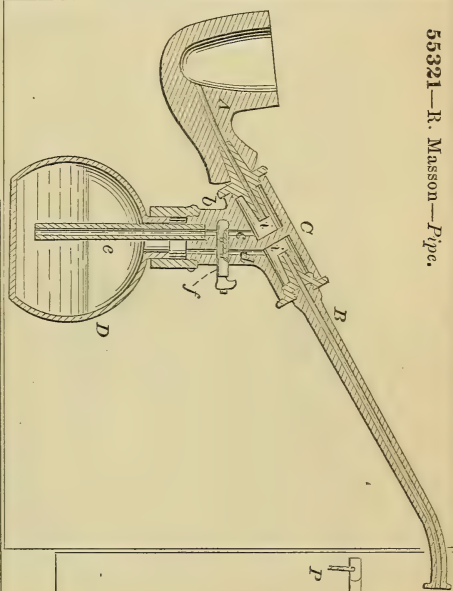
55312—M. Kennedy—*Plow*.55315—R. Layne—*For Pressing Lead Pipe*.55313—A. Kirlin—*Churn Dashers*.55316—J. Liget—*Broom Head*.55314—W. Langdon—*Stump Extractor*.55317—C. L. Lockwood—*Neck Tie Supporter*.55318—H. Maas—*Pump*.



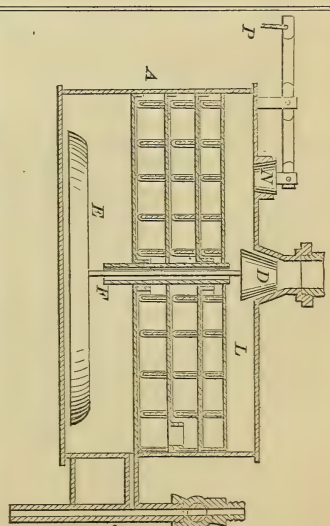
55320—D. Marshall—*Churn.*



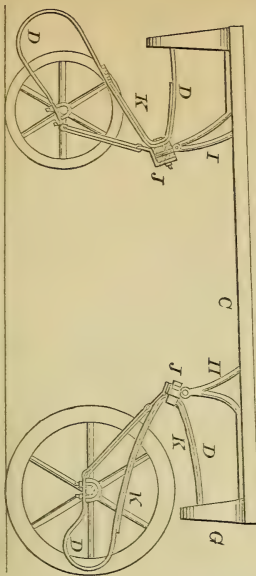
55321—R. Masson—*Pipe.*



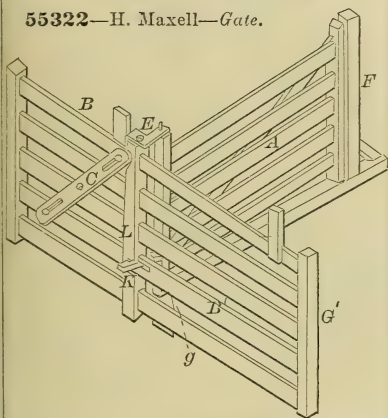
55324—S. T. McDougall—*Curbwheeling Air.*



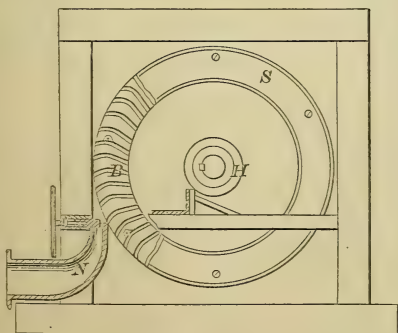
55319—G. S. Manning—*Carriage Spring.*



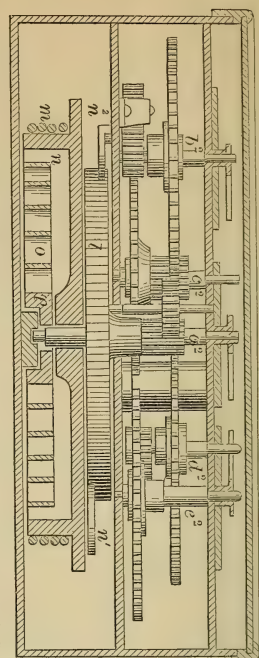
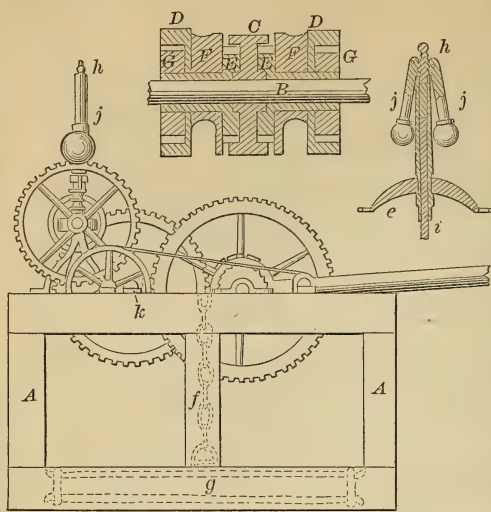
55322—H. Maxell—*Gate.*



55323—T. McAuley—*Water Wheel.*

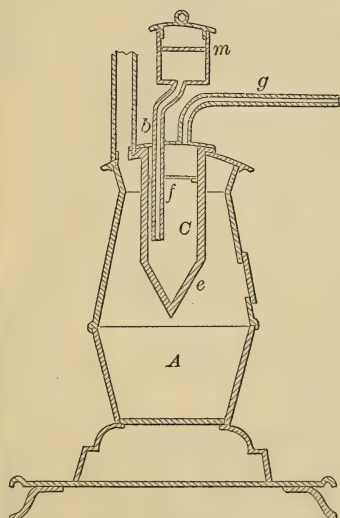


55325—McKnight &amp; Deisher—Motive Power.

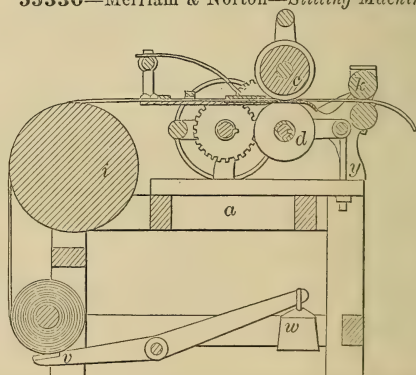


55327—F. McManus—Lumber Register.

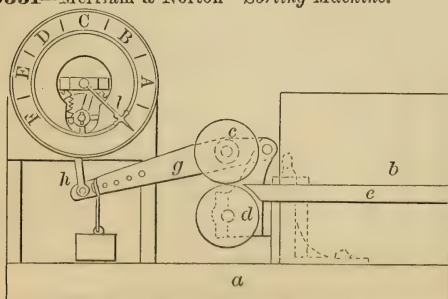
55328—J. McWilliams—Gas Generator.



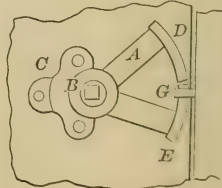
55330—Merriam &amp; Norton—Slitting Machine.



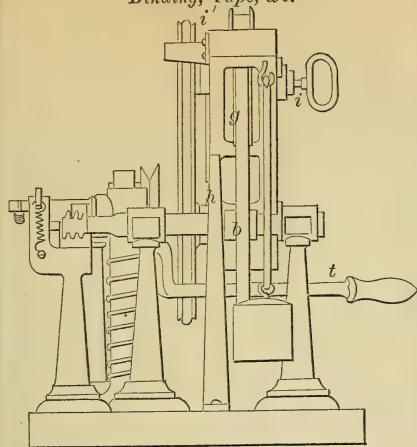
55331—Merriam &amp; Norton—Sorting Machine.



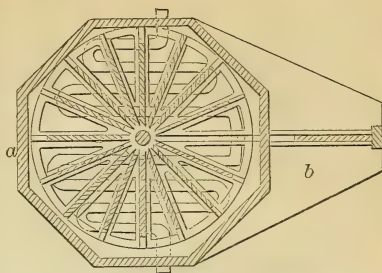
55326—J. W. McLean—Gate Latch.



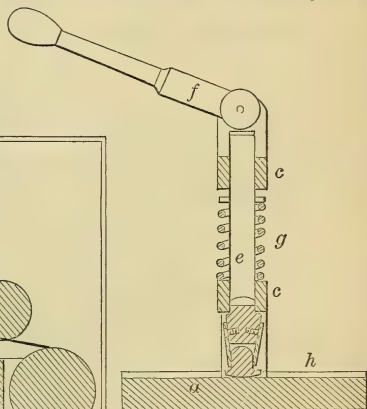
**55332**—Merriam & Norton—*Winding Shoe Binding, Tape, &c.*



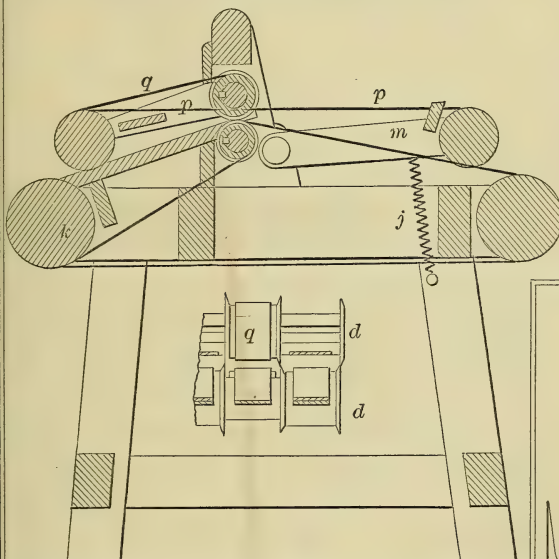
**55333**—Merriam & Norton—*Drying Hides.*



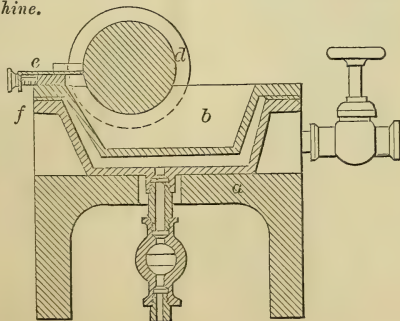
**55334**—Merriam & Norton—*Glueing Press.*



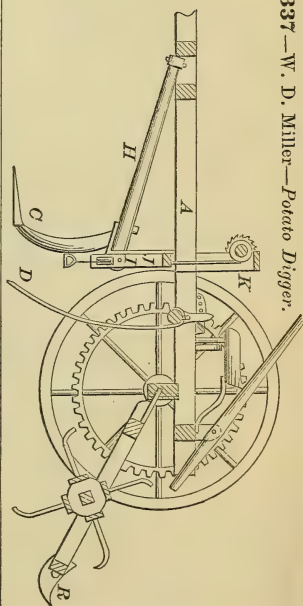
**55336**—Merriam & Norton—*Cutting Machine.*



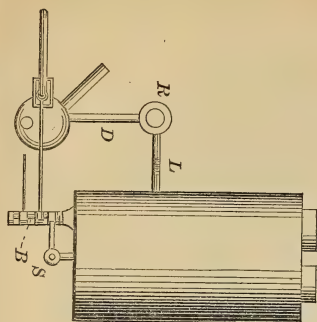
**55335**—Merriam & Norton—*Glueing and Cementing Machine.*



**55337**—W. D. Miller—*Potato Digger.*

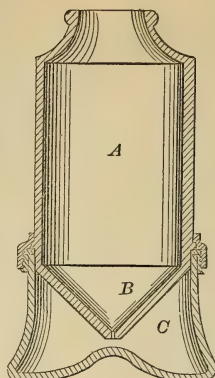




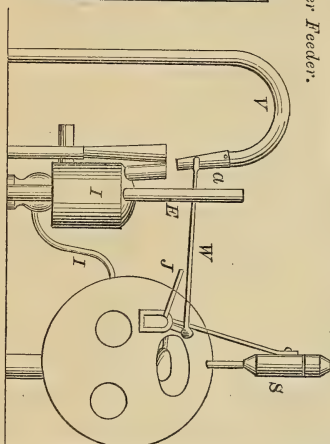
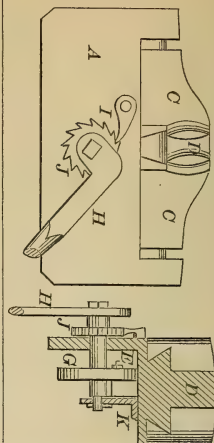


55338—W. Moore—Automatic Boiler Feeder.

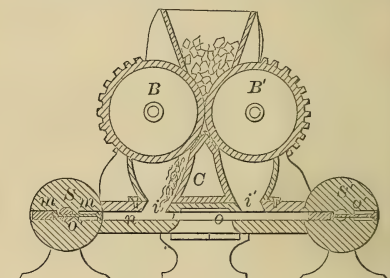
55341—C. H. Morse—Vial.



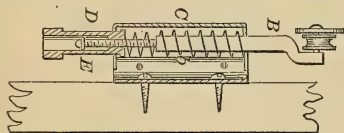
55343—P. Murray—Cable Stopper.



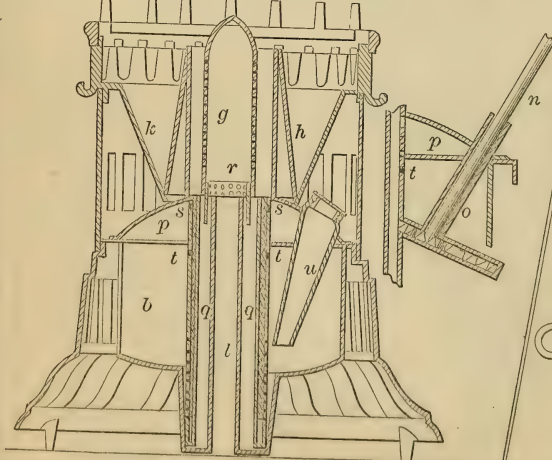
55339—A. Moffat—Peat Machine.



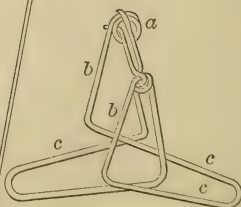
55344—G. W. Nell—Curtain Fixture.



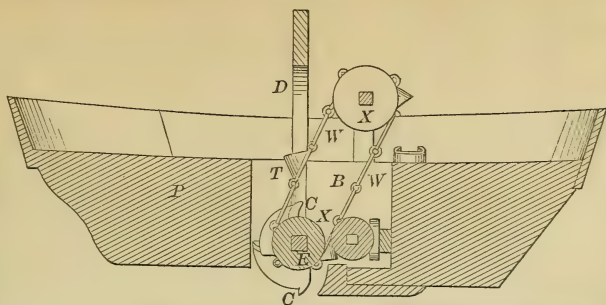
55340—O. F. Morrill—Generating Heat for Cooking Purposes.



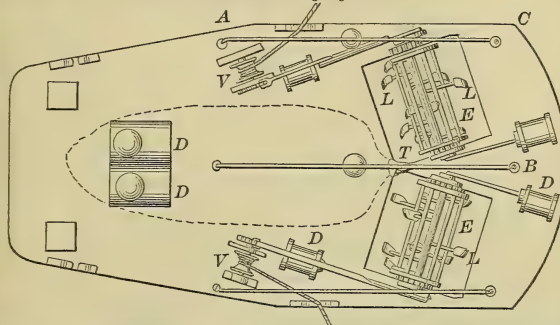
55345—P. H. Niles—Broom Clasp.



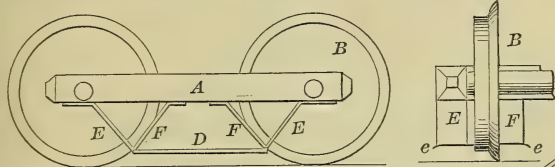
55346—W. H. Nobles—Dredging Boat.



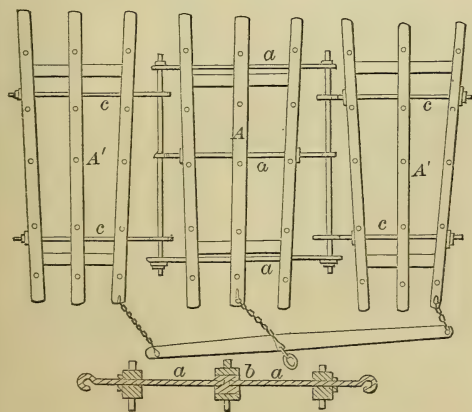
55347—W. H. Nobles—Steam Dredging Boat.



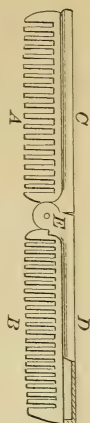
55350—J. Nusbaum—Car Truck.



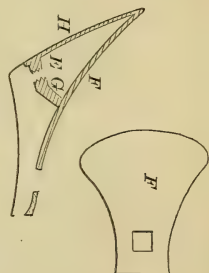
55351—W. S. O'Brien—Harrow.



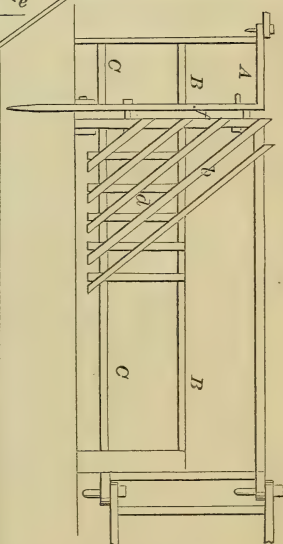
55349—J. P. Noyes—Comb.



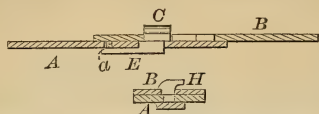
55348—O. B. North—Harness Saddle Seat.



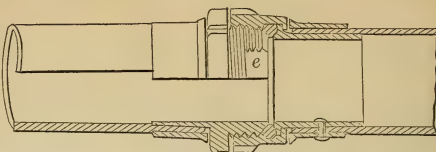
55353—A. W. Olds—Fence.



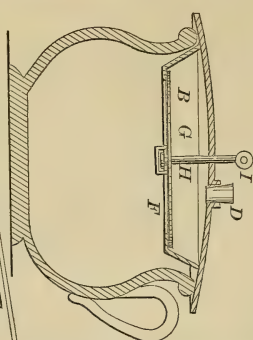
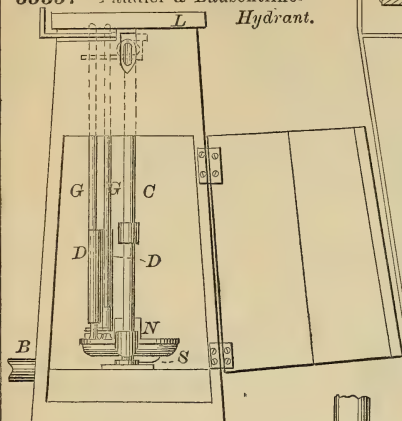
55353—W. Onions—Cotton Bale Tie.



55354—J. C. Osgood—Hose Coupling.

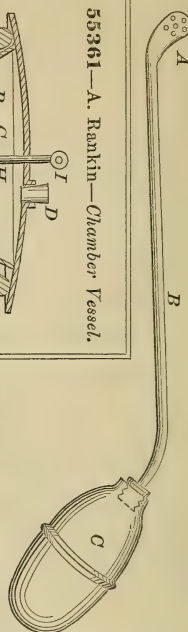


55357—Pandler &amp; Bauschtliker—Hydrant.

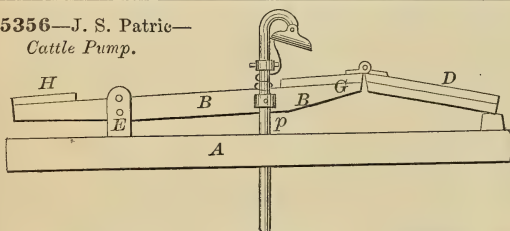


55361—A. Rankin—Chamber Vessel.

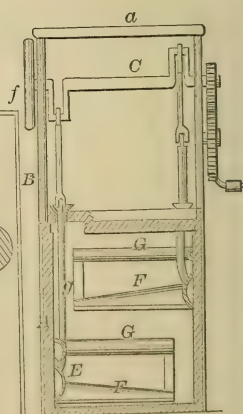
55355—S. E. Parsons—Vaginal Syringe.



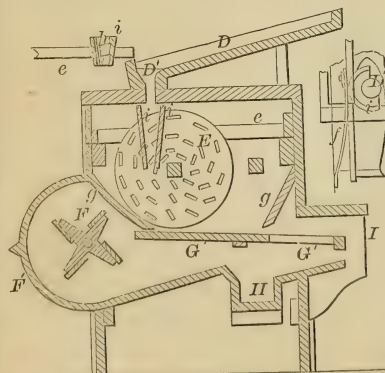
55356—J. S. Patric—Cattle Pump.



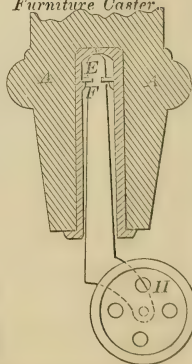
55360—S. T. W. Potter—Churn.



55362—D. K. Reeder—Corn Sheller.



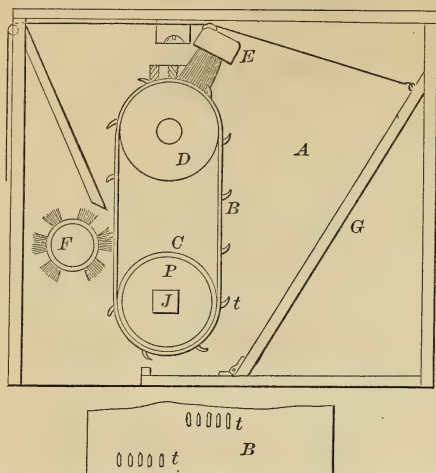
55358—J. C. Plumer—Furniture Caster.



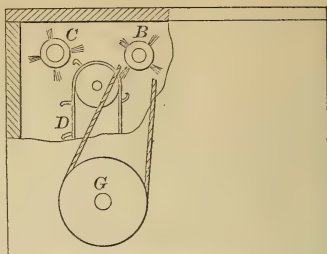




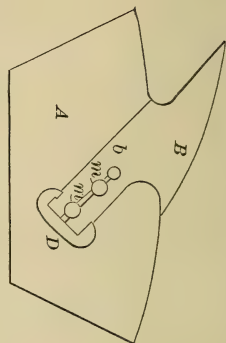
55372—N. B. Sherwood—Cotton Seed Planter.



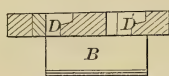
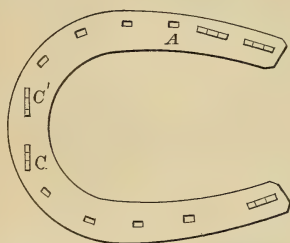
55373—N. B. Sherwood—Cotton Seed Planter.



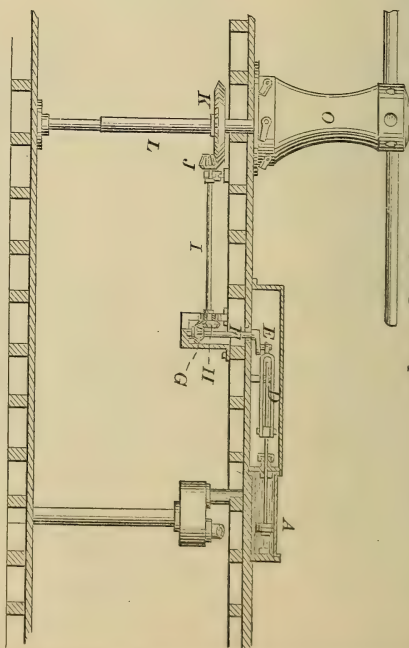
55375—C. T. Shoemaker—Saw.



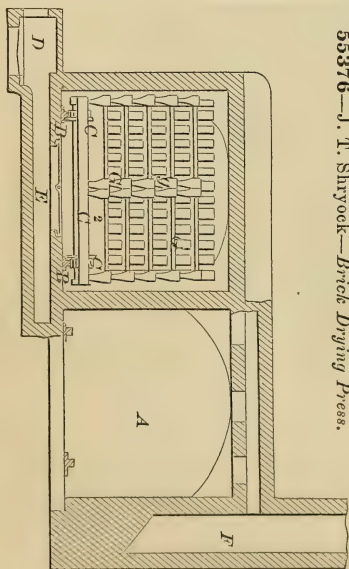
55374—F. Shinn—Horse Shoe.



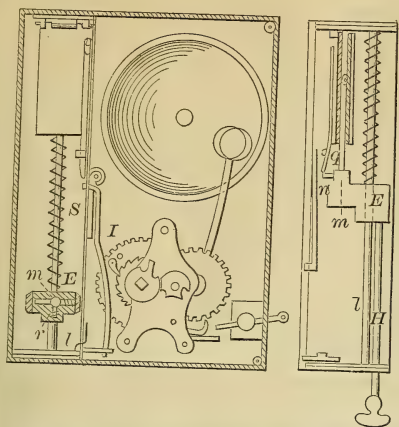
55377—L. Simkins—Working Ship's Pumps.



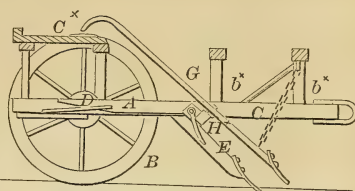
55376—J. T. Shryock—Brick Drying Press.



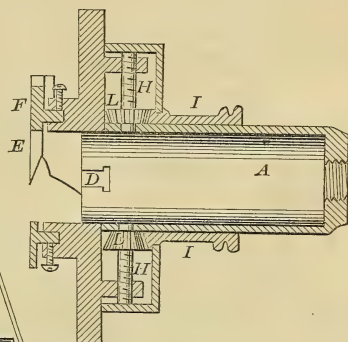
55378—G. Simpson—*Burglar Alarm.*



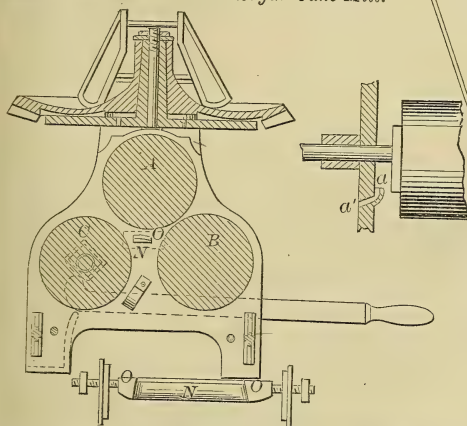
55381—H. B. Smith—*Cultivator.*



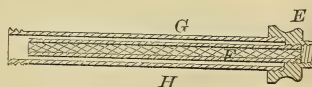
55382—J. M. Smith—*Hollow Auger.*



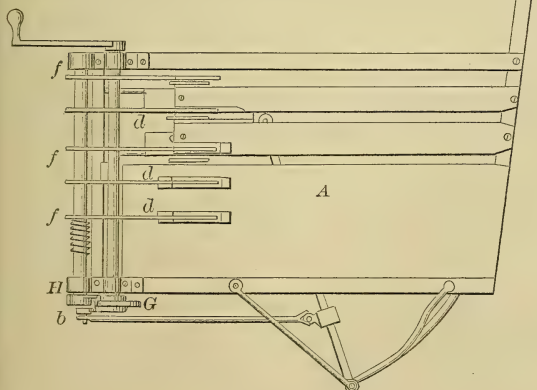
55379—E. W. Skinner—*Sugar Cane Mill.*



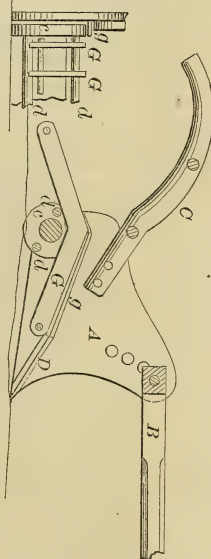
55383—W. H. Smith—*Vapor Burner.*



55380—E. Smith—*Rake Attachment to Harvesters.*



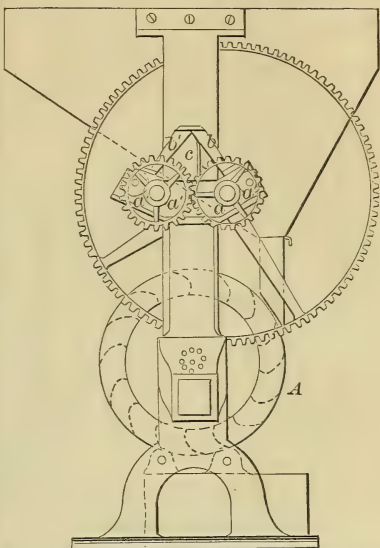
55384—S. Soules—*Potato Digger.*



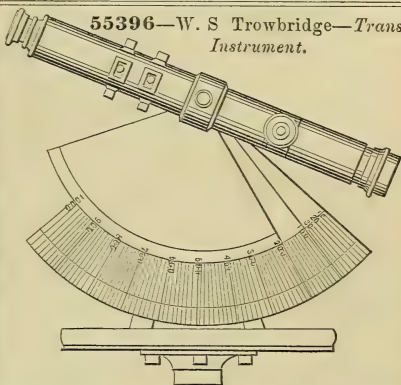




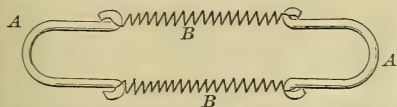
55393—R. H. Thurston—*Magnesium Lamp.*



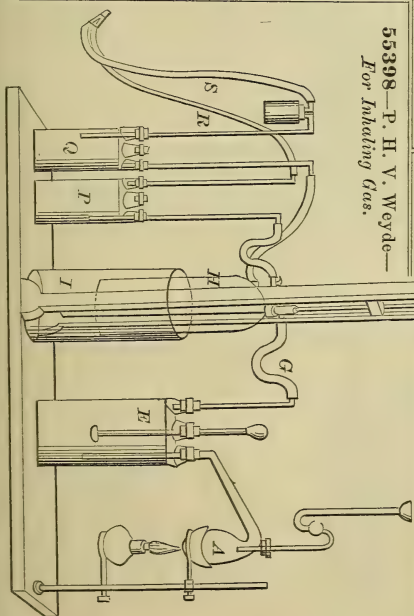
55396—W. S Trowbridge—*Transit Instrument.*



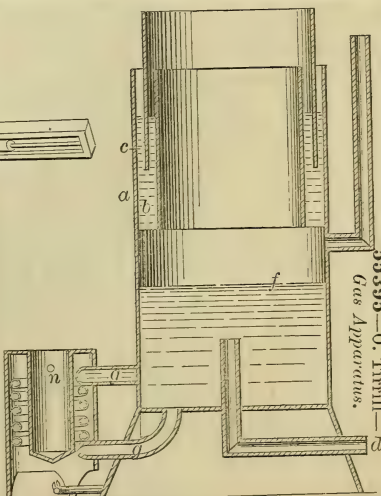
55394—H. Tilden—*Broom Clasp.*



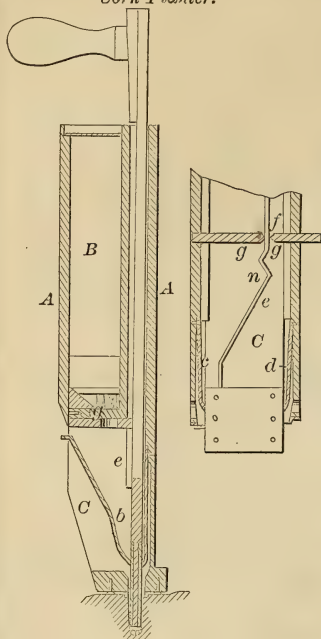
55398—P. H. V. Weyde—  
*For Inhaling Gas.*



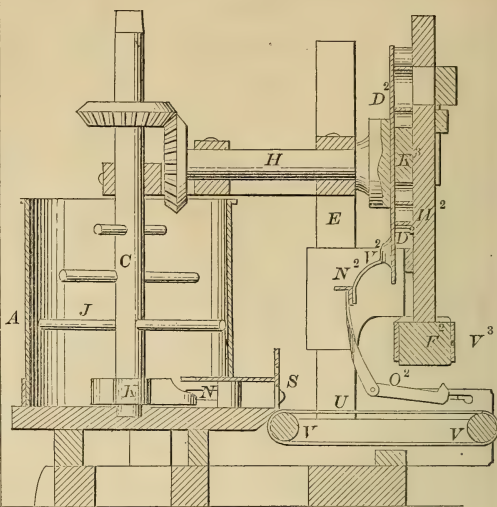
55395—0. Tirill—  
*Gas Apparatus.*



55399—C. A. Wakefield—*Hand Corn Planter.*



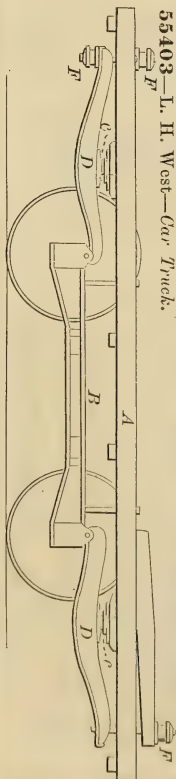
55400—P. N. Woliston—*Brick Machine.*



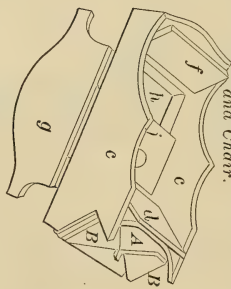
55402—C. Weber—*Table Mat.*



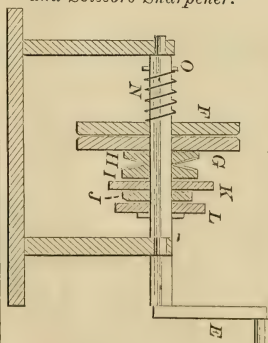
55403—L. H. West—*Car Truck.*



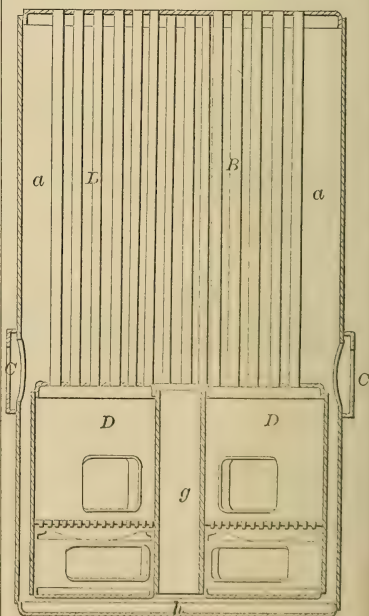
55401—J. B. Warren—*Cradle, Stool, and Chair.*



55404—J. Wheeler—*Knife and Scissors Sharpener.*

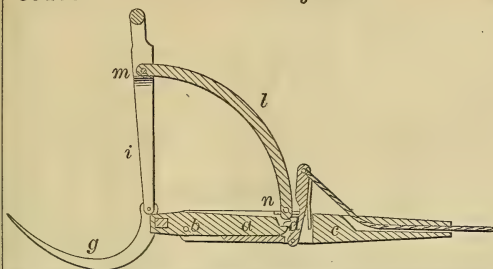


55405—N. W. Wheeler—*Steam Generator.*

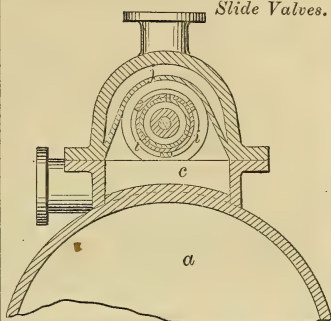




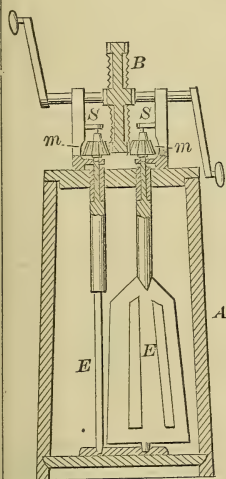
55408—P. A. Wise—Horse Hay Fork.



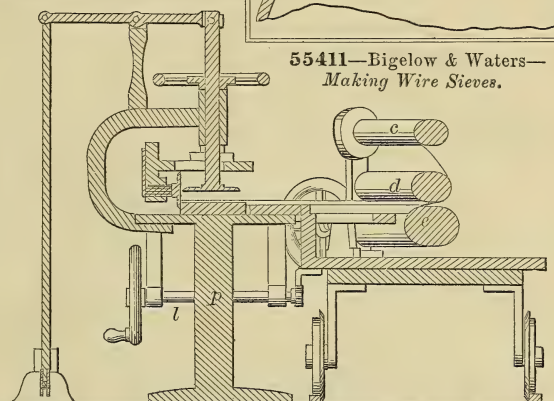
55406—N. W. Wheeler—Packing Slide Valves.



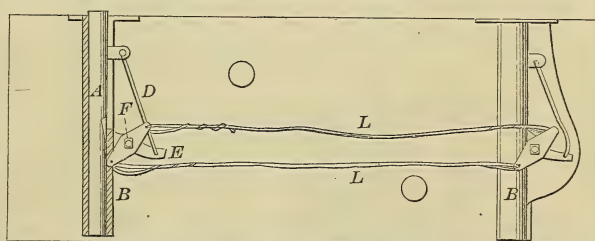
55407—H. Whisler—Churn.



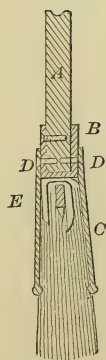
55411—Bigelow & Waters—Making Wire Sieves.



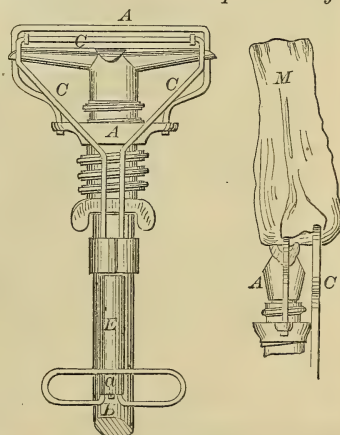
55410—H. T. Woodman—Sash and Door Bolt.



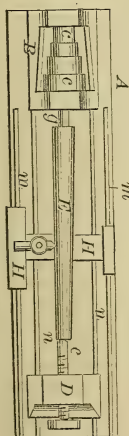
55409—J. Wisner—Broom.



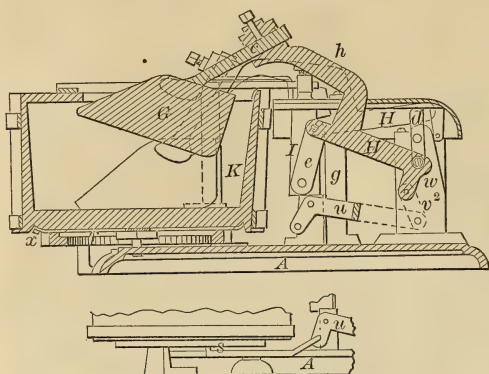
55413—J. M. Enos—Mop and Wringer.



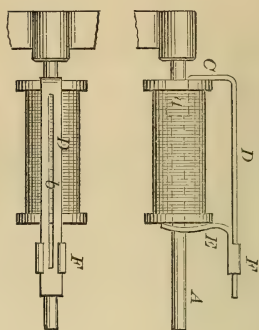
55412—L. L. Crane—Lathe.



55414—C. A. Foster—Meat Chopper.



55417—W. H. Hawkins—Spool Thread Regulator.



55418—Jones &amp; Farquharson—Treating Wood, Straw, &amp;c., for Paper Pulp.

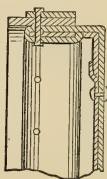
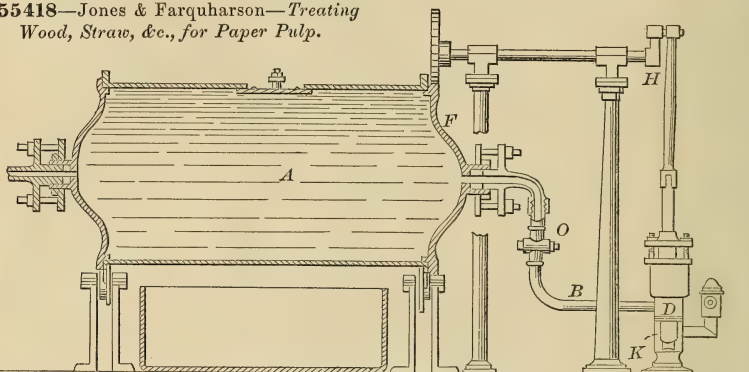
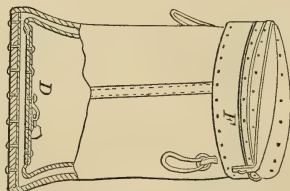
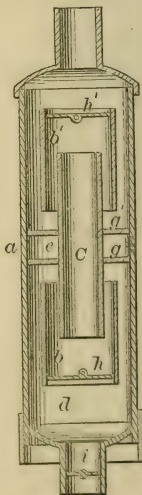


Fig. 2

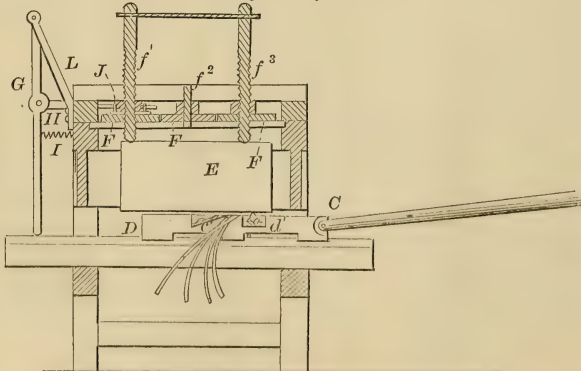


55416—J. Fye—Mail Bag.

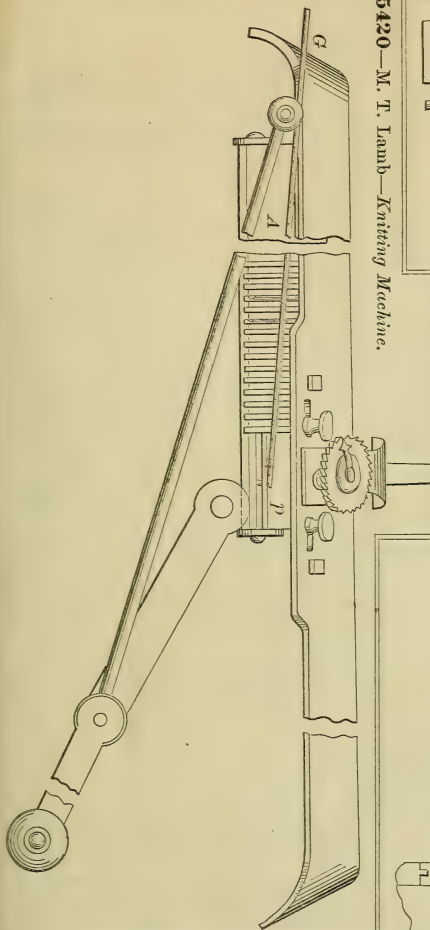
55419—W. Kroeger—Stove Pipe Drum.



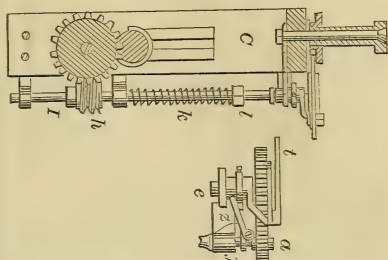
55415—M. Free—For Cutting Slats for Blinds.



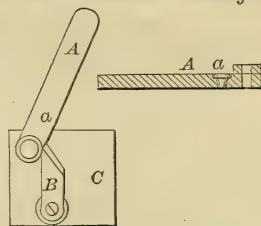
55420—M. T. Lamb—Knitting Machine.



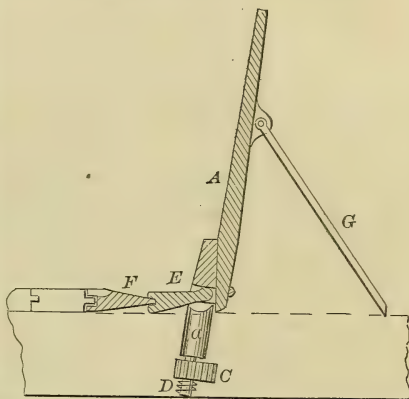
55422—J. Lessels—Circular Knitting Machine.



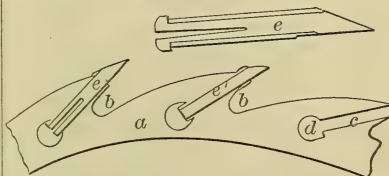
55421—W. R. Landfear—Making Eyelets.



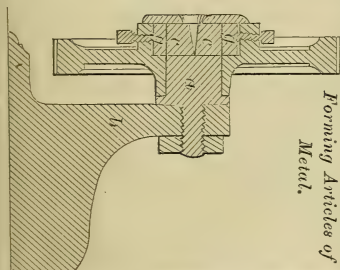
55424—A. Lloyd—Floor Clamp.



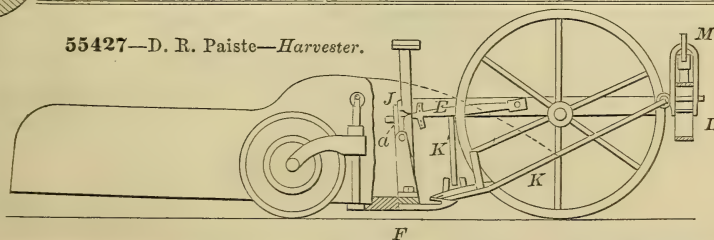
55423—J. Lippincott—Saw.



55425—F. J. Manville—For  
Forming Articles of  
Metal.

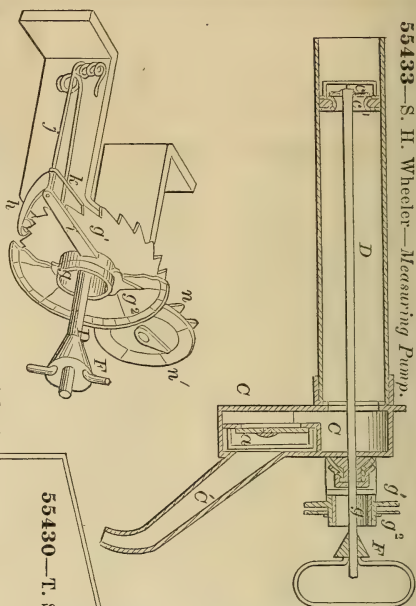


55427—D. R. Paiste—Harvester.

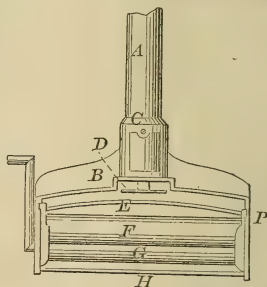




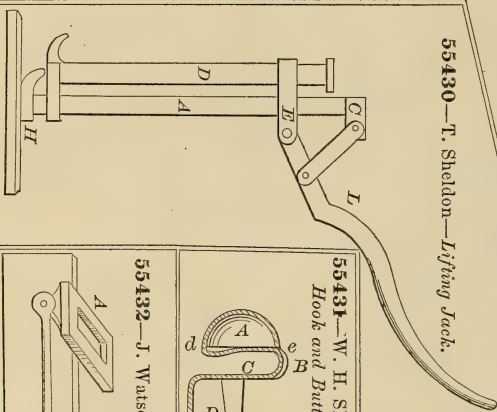
55433—S. H. Wheeler—Measuring Pump.



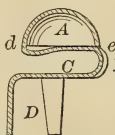
55429—Sangster &amp; Boyd—Mop.



55430—T. Sheldon—Lifting Jack.



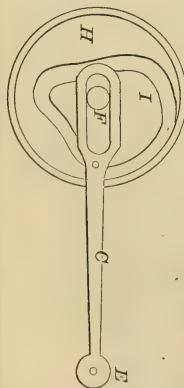
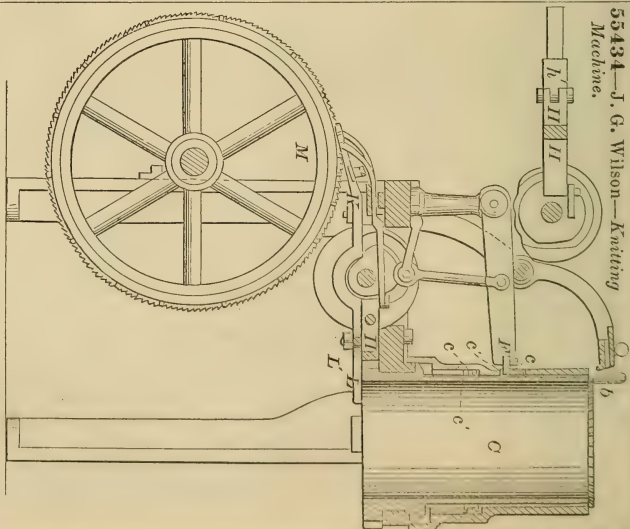
55431—W. H. Shurtleff—Hook and Button.



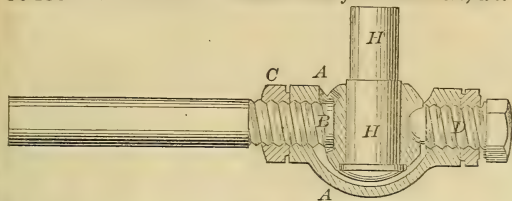
55432—J. Watson—Brick Machine.



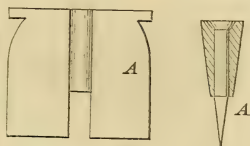
55434—J. G. Wilson—Knitting Machine.



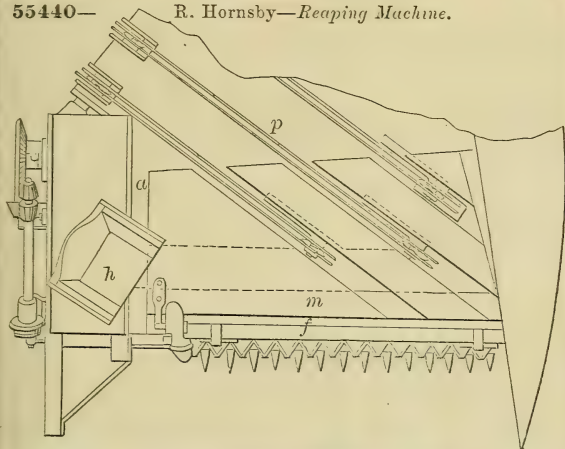
55435—S. H. Wilson—*Pitman Head for Harvesters, &c.*



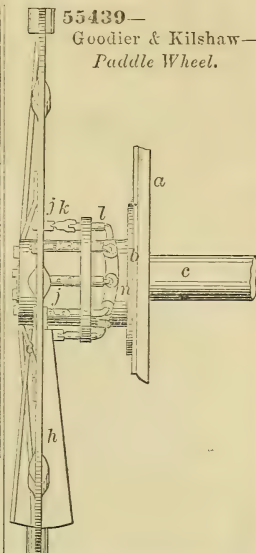
55437—H. C. Wooding—*Attaching Axes to Handles.*



55440—R. Hornsby—*Reaping Machine.*



55439—Goodier & Kilshaw—*Paddle Wheel.*

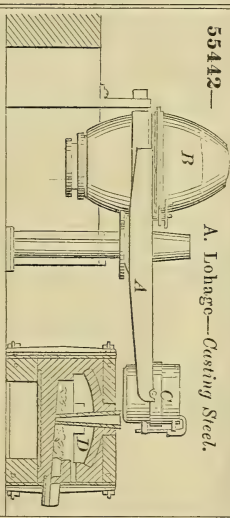


55436—G. L. Wisil—*Lamp Chimney.*

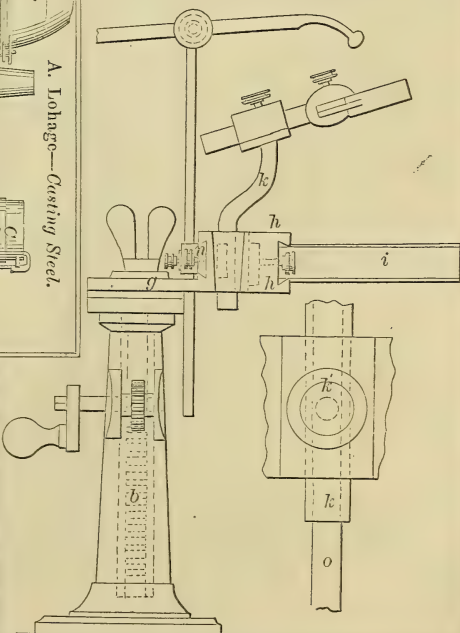


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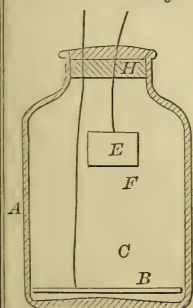
A. Lohage—*Casting Steel.*



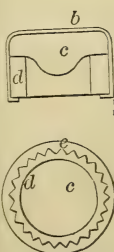
55443—O. Sarony—*Photographic Rest*



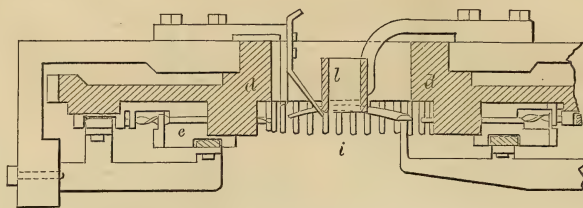
55441—G. L. Leclauche—*Galvanic Battery.*



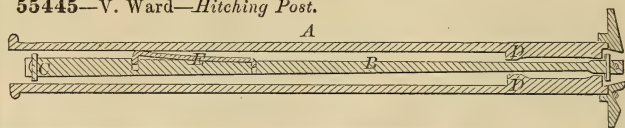
55438—H. B. Fox—*Bottle Stopper.*



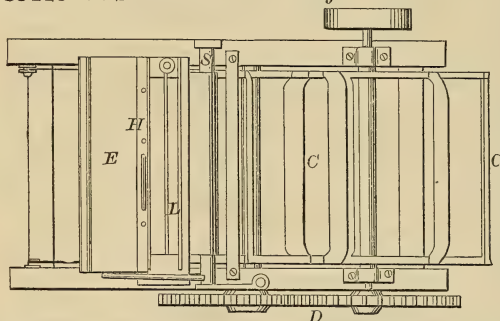
55444—J. &amp; W. Thornton—Knitting Machine.



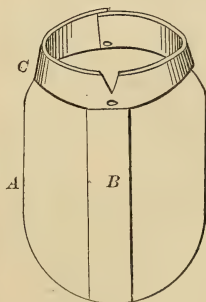
55445—V. Ward—Hitching Post.



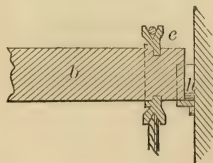
55446—D. S. Abbot—Flax Dressing Machine.



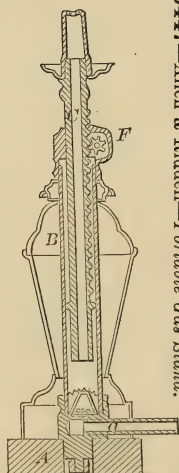
55451—J. C. Arms—Paper Bosom and Collar.



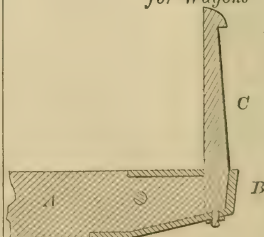
55454—J. B. Bailey—Curtain Fixture.



55447—Allen &amp; Riddell—Portable Gas Stand.



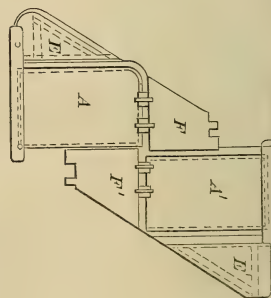
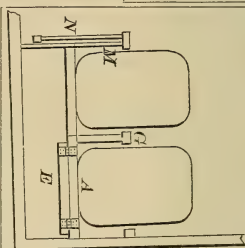
55453—D. L. Babcock—Bolster for Wagons



55450—H. C. Appleby—Lamp Chimney.

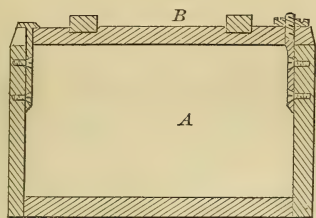


55448—H. Allen—Seat and Couch for Railroad Cars.

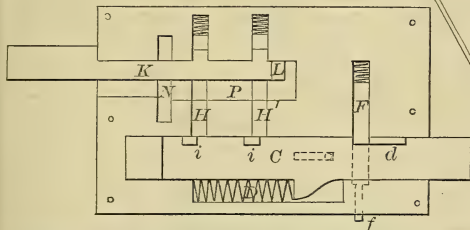




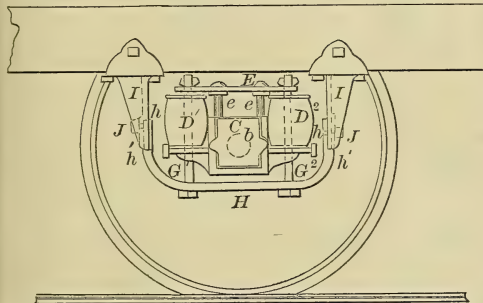
55455—H. T. Barker—Fastening for Fruit Boxes.



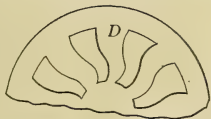
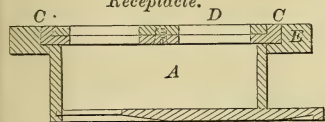
55460—B. V. M. Brouse—Lock.



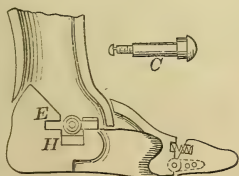
55457—A. Bridges—Suspending Cars upon Springs.



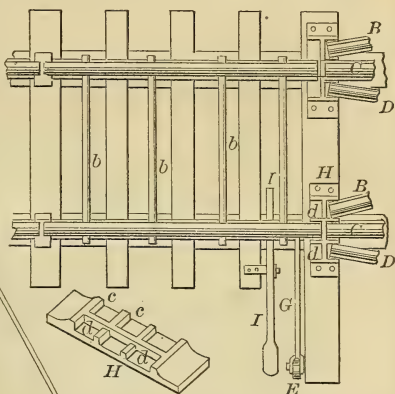
55458—A. Brigham—Dust Receptacle.



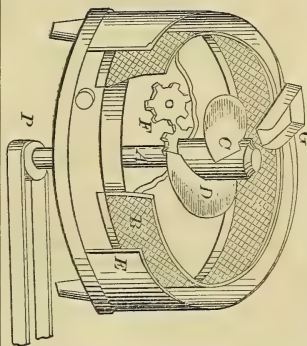
55459—J. Bringhurst—Artificial Leg.



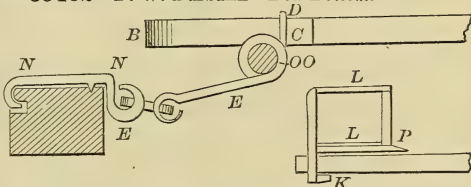
55456—Bradt & Hayes—Railroad Switch.



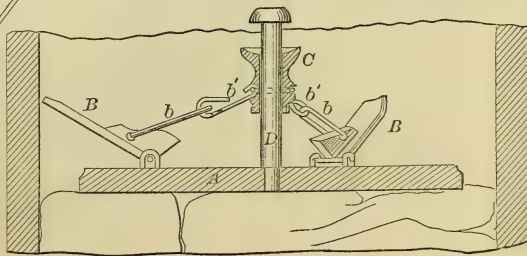
55461—J. D. Browne—Centrifugal Machine.



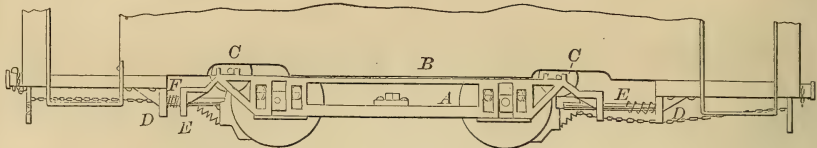
55462—D. W. Burbank—Bed Bottom.



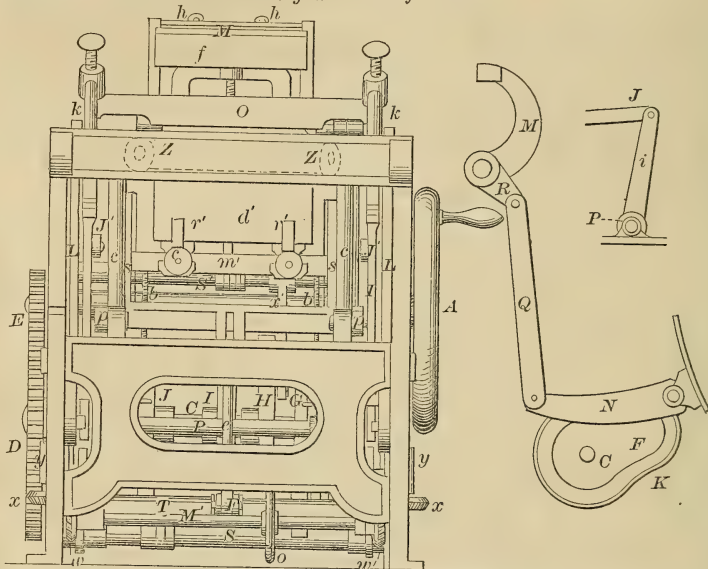
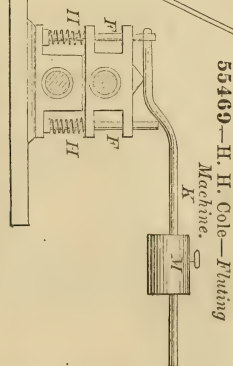
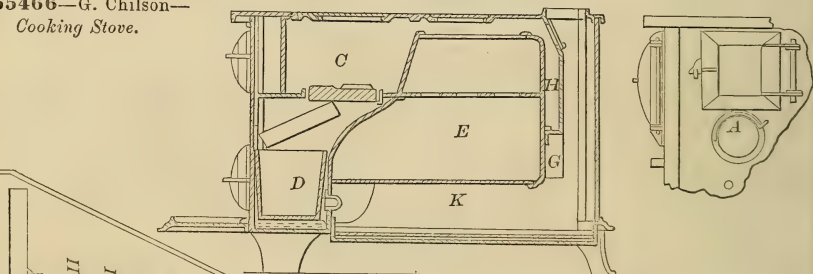
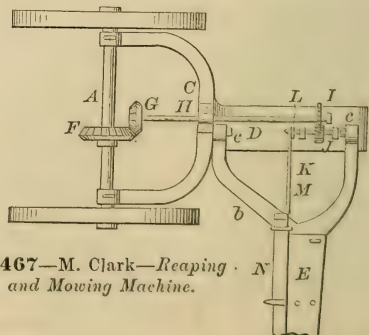
55463—J. Burgum—For Keeping Meat and Brine.



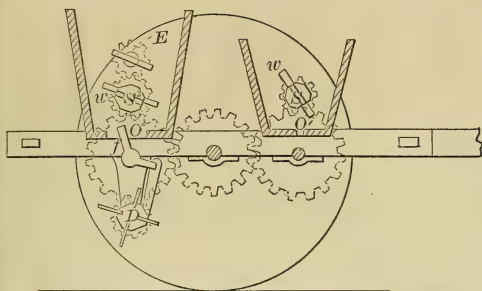
55464—Butler &amp; Hatfield—Starting Cars.



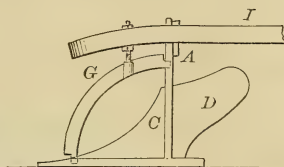
55468—J. E. Coffin—For Curving the Backs of Books.

55466—G. Chilson—  
Cooking Stove.55469—H. H. Cole—Riveting  
Machine.55465—O. B. Buttes—Dental  
Impression Cup.55467—M. Clark—Reaping  
and Mowing Machine.

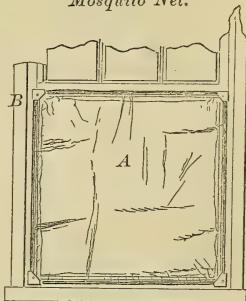
55470—B. D. Cook—Seeding Machine.



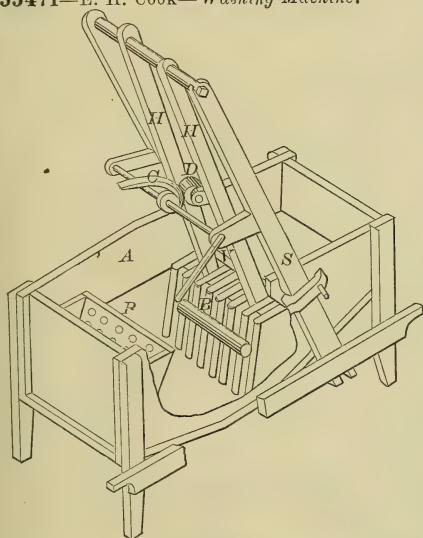
55472—Custer & Rowland—  
Plow Cutter.



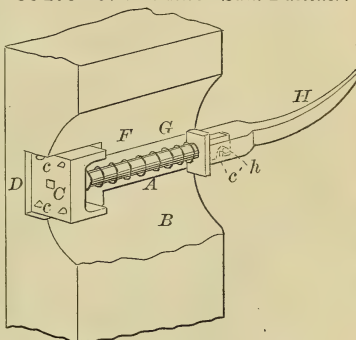
55473—J. G. De Coursey—  
Mosquito Net.



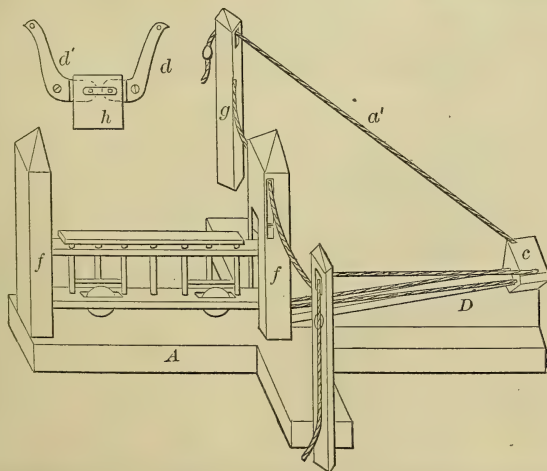
55471—E. H. Cook—Washing Machine.



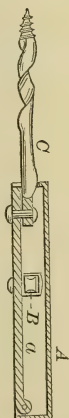
55475—J. W. Elliot—Sash Fastener.



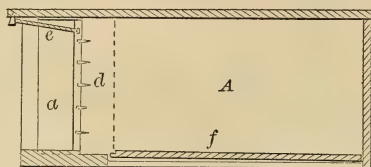
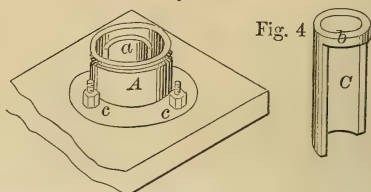
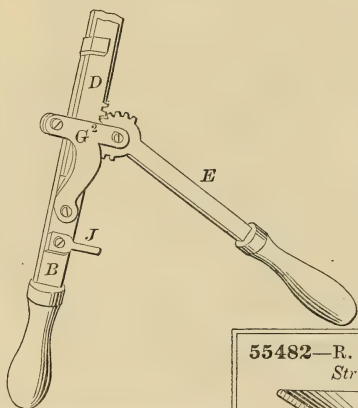
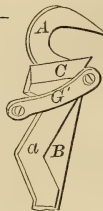
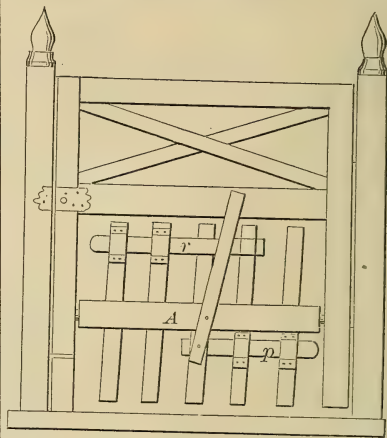
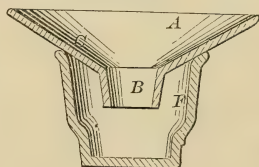
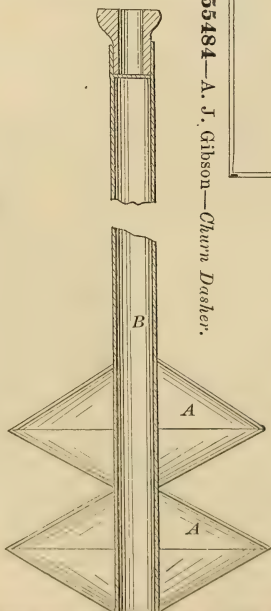
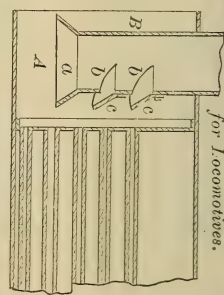
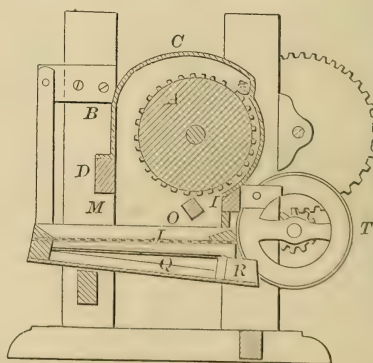
55476—W. Elliott—Farm Gate.



55477—L. S. Enos—Door Fastening.

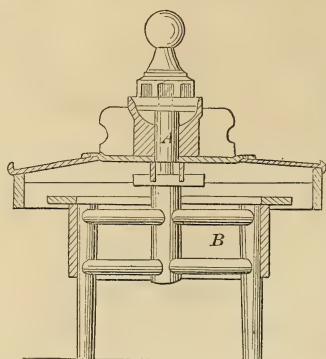




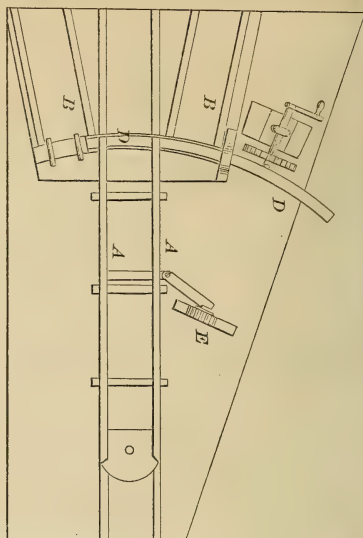
55478—J. B. Fairchild—*Animal Trap.*55480—T. W. Fox—*Expelling Water from the Holds of Vessels.*55483—M. Gates—*Pruning Hook.*55481—P. Freeman—*Gate.*55482—R. B. Fuller—*Vase for Strawberries.*55484—A. J. Gibson—*Churn Dasher.*55479—J. M. Foss—*Drift Pipe for Locomotives.*55485—W. Gilman—*Corn Sheller.*



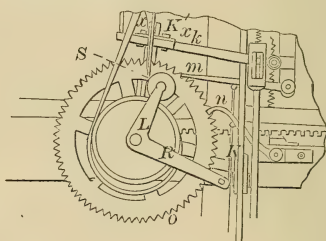
55492—C. Hope—Revolving Desk.



55494—H. Willard—Transfer Switch.



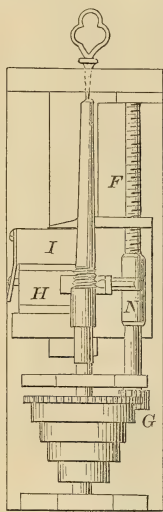
55497—E. P. Irons—Saw Mill.



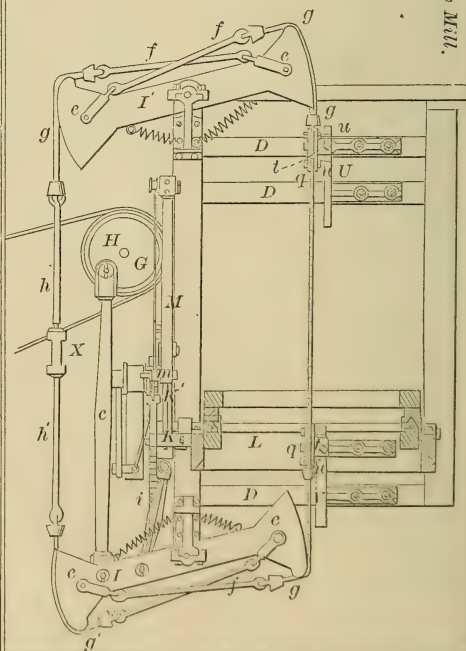
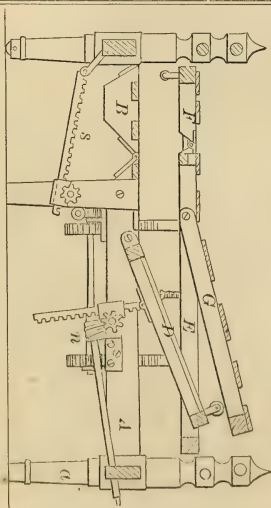
55495—S. Houghton—Hoop Skirt Wire.



55493—E. Hotchkiss—Screw Tap.

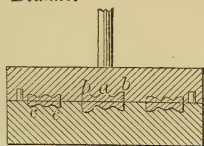


55496—E. Hutchinson—Inertial Bedstead.

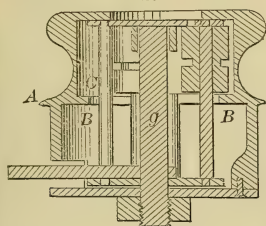




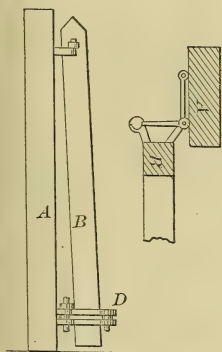
**55498**—R. Jennings—*For Swaging the Ends of Auger Blanks.*



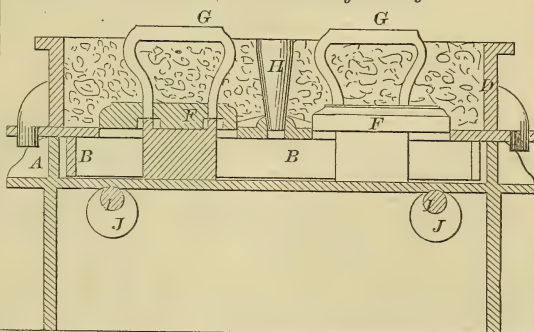
**55500**—F. G. Johnson—*Knob Lock.*



**55505**—H. Last—*Gate Hinge.*

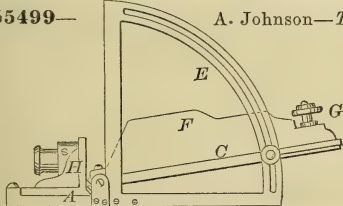


**55504**—P. W. Lamb—*For Moulding Castings.*

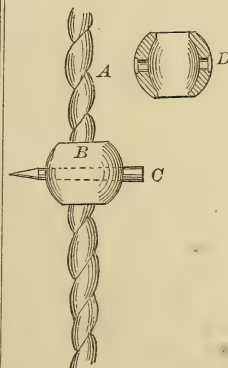


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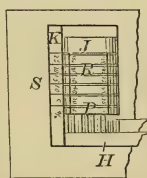
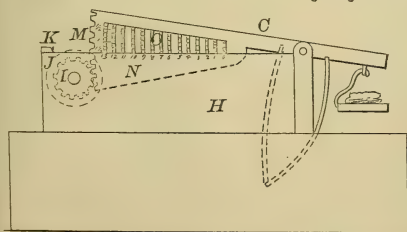
A. Johnson—*Trimming Mitre Joints.*

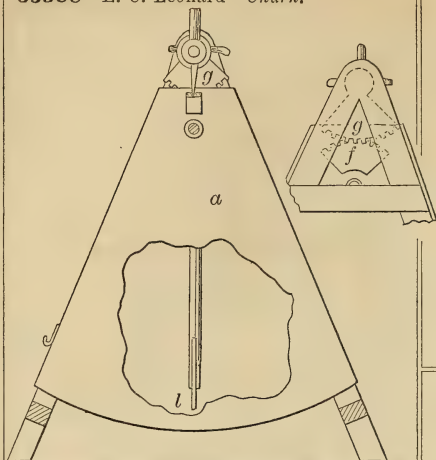
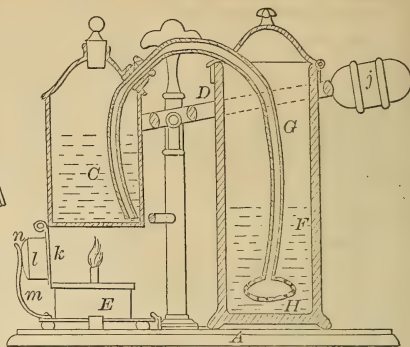
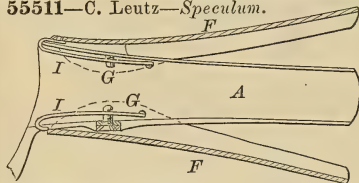
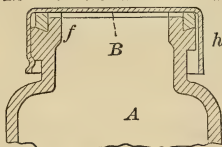
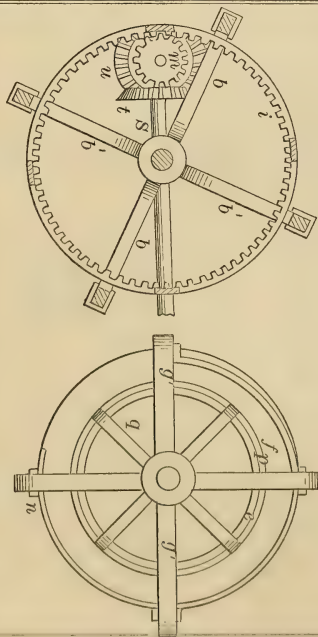
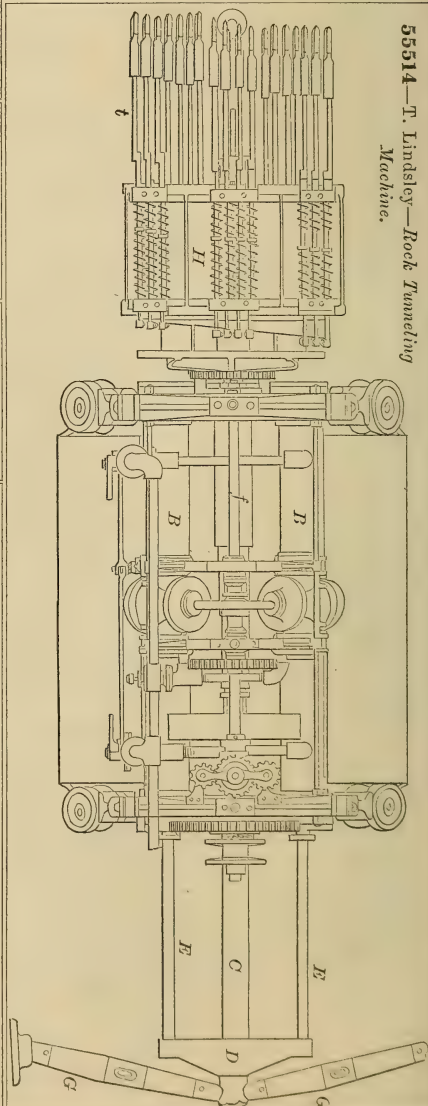


**55506**—O. B. Latham—*Rope Guard.*

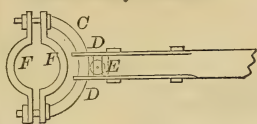


**55503**—J. S. & E. B. Lake—*Weighing Scale.*

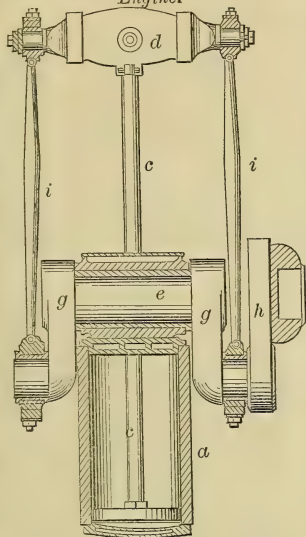


55508—E. C. Leonard—*Churn.*55509—F. Liesche—*For Making Coffee.*55511—C. Leutz—*Speculum.*55512—J. Letchworth—*Fruit Jar.*55513—J. Letzkus—*Squeezer.*55514—T. Lindsay—*Rock Tunneling Machine.*

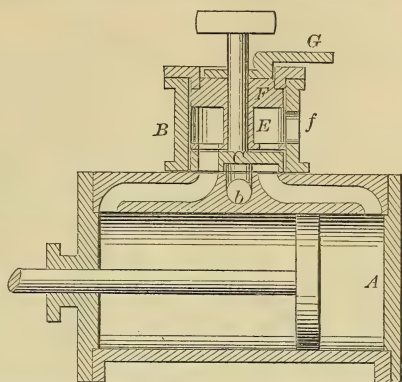
**55515**—B. McGrath—*Boom Connection for Masts.*



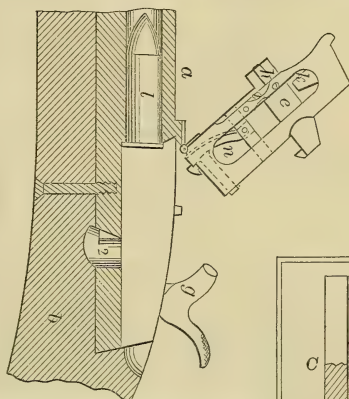
**55516**—W. L. & T. Winans—*Steam Engine.*



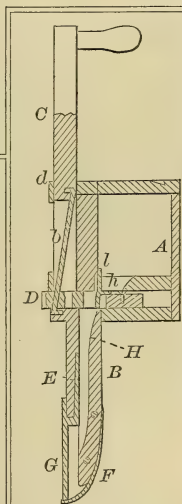
**55518**—B. F. McKinley—*Balanced Cut-off Valve.*



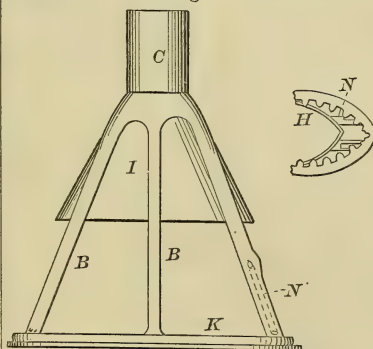
**55520**—I. M. Milbank—*Breech-Loading Fire Arm.*



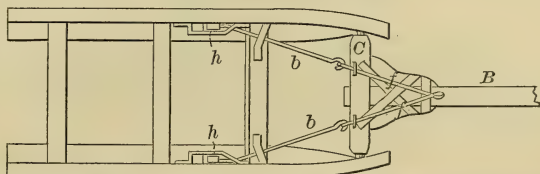
**55517**—D. McKanna—*Hand Corn Planter.*



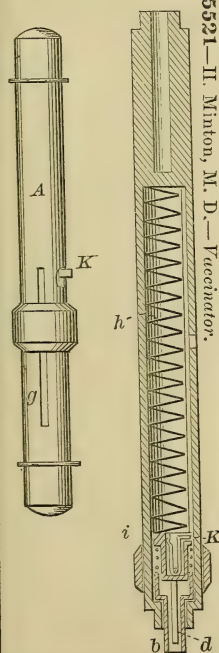
**55519**—C. Messenger—*Broom Head.*



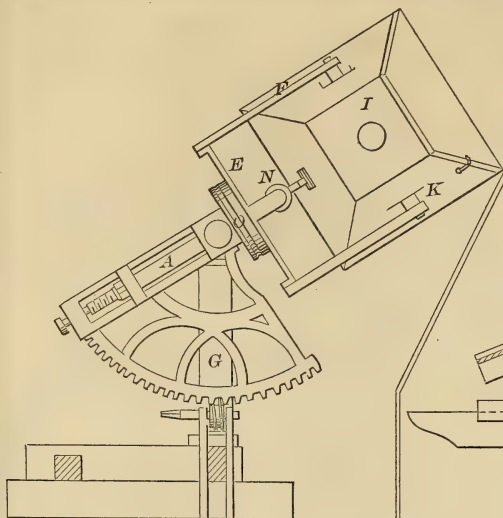
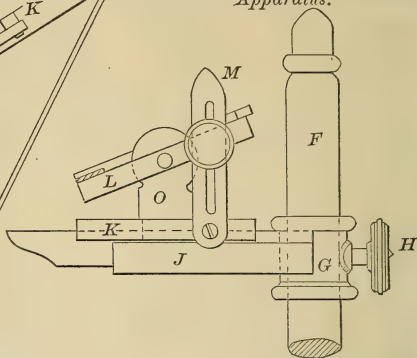
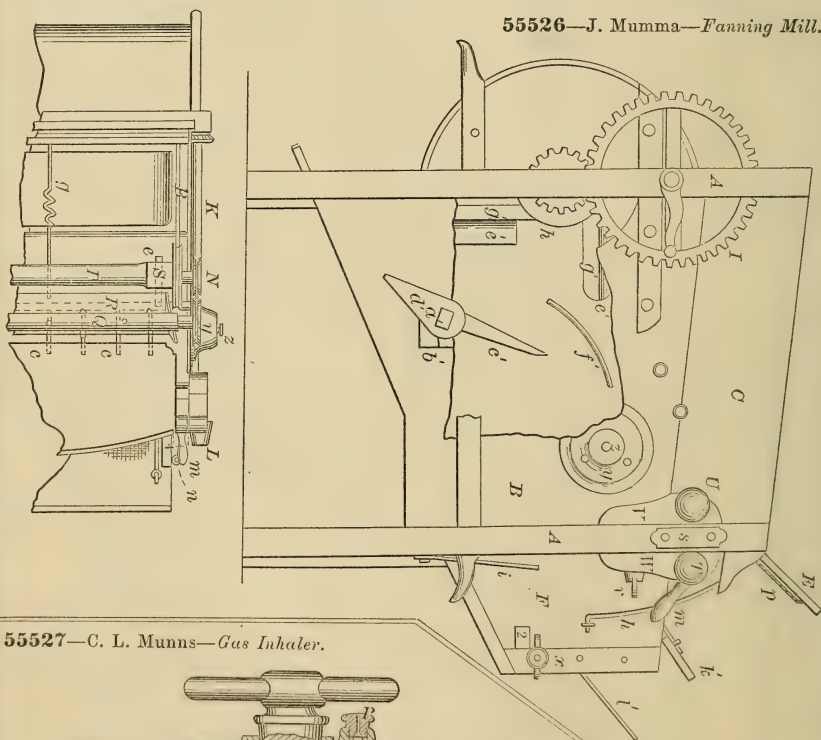
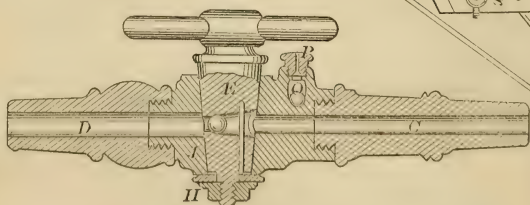
**55522**—J. J. Moore—*Sleigh Brake.*



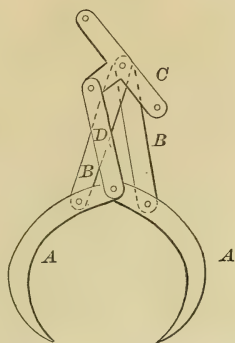
**55521**—H. Minton, M. D.—*Vaccinator.*



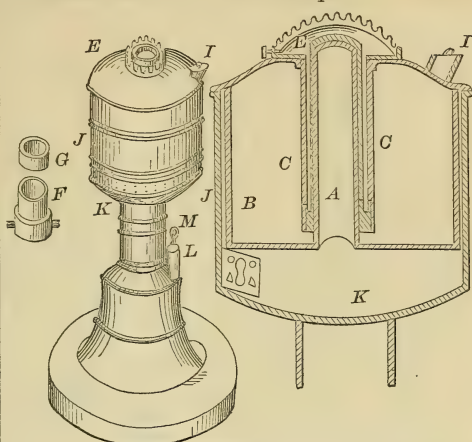


55523—Morawetz & Volkmar—*Automatic Heliotrope.*55524—G. L. Morris—*Nicking Screw Heads.*55525—E. Müller—*Photographic Apparatus.*55526—J. Mumma—*Fanning Mill.*55527—C. L. Munns—*Gas Inhaler.*

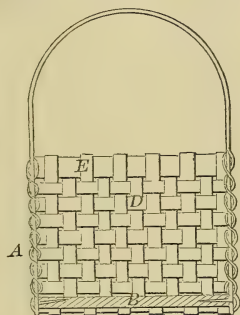
55528—J. K. O'Neil—Horse Hay Fork.



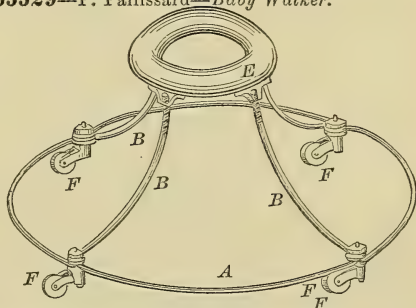
55535—C. F. Rees—Lard Lamp.



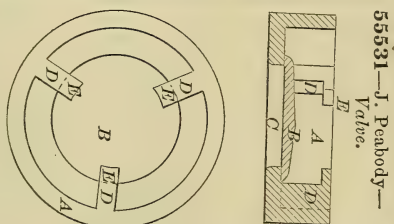
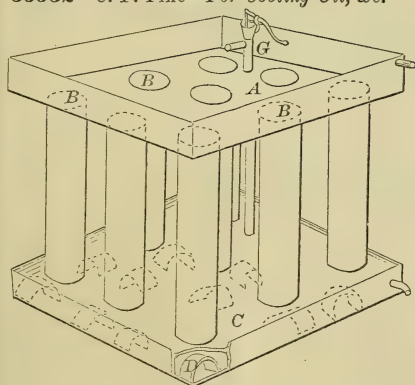
55530—J. K. Park—Fruit Basket.



55529—P. Pallissard—Baby Walker.

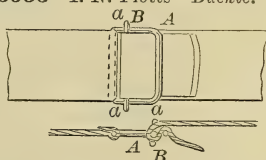


55532—C. F. Pike—For Cooling Oil, &c.

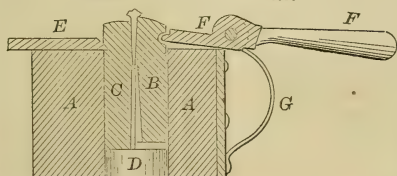


55531—J. Peabody—Valve.

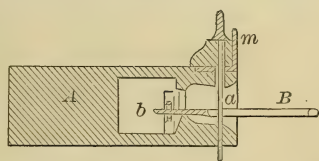
55533—I. N. Plotts—Buckle.



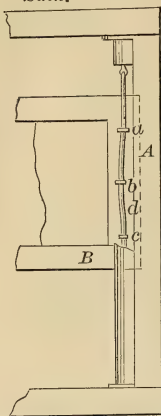
55536—Reynolds & Hilbright—For Forming Heads on Harness Nails.



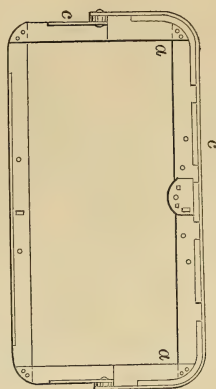
55537—N. Robbins, Jr.—Car Coupling.



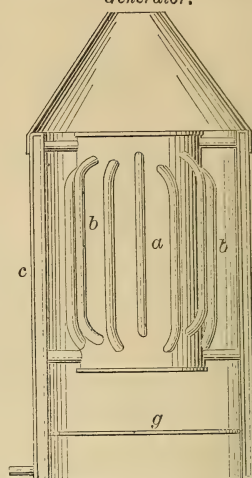
55538—A Roehrig—  
Hanging Window  
Sash.



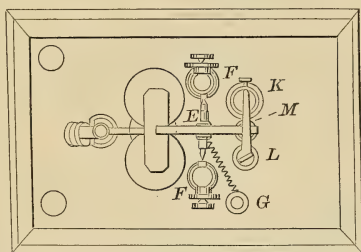
55543—A. J. Sessions—Bag Frame.



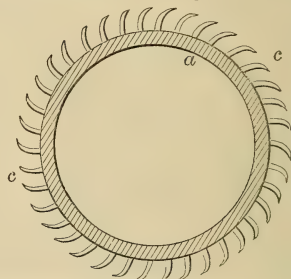
55539—Rogers & Black—Steam  
Generator.



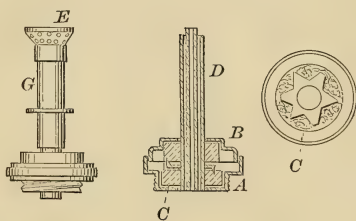
55541—C. H. Rudd—Telegraphic Repeater.



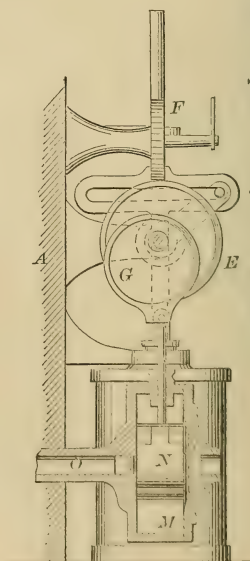
55542—H. V. Scattergood—Cotton Gin.



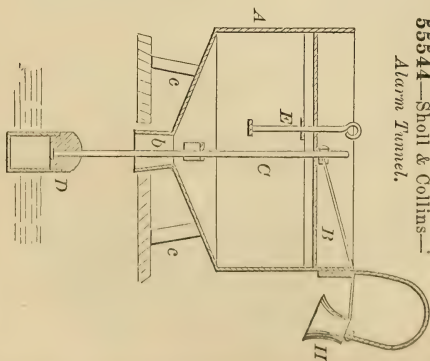
55546—W. H. Smith—Lamp Burner.



55547—Spencer & Meyer—Water Meter.

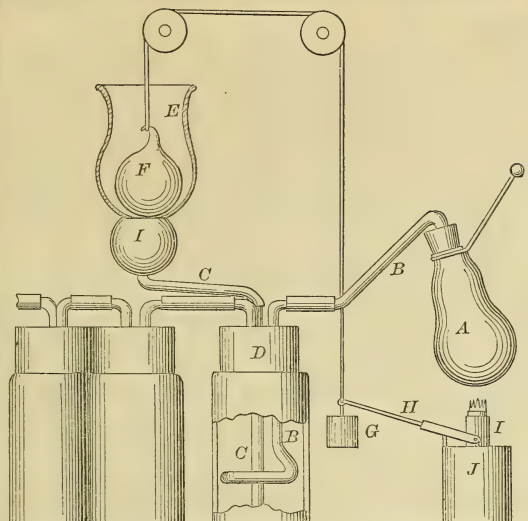


55544—Sholl & Collins—  
Alarm Tunnel.

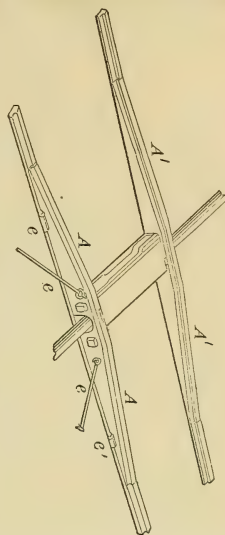




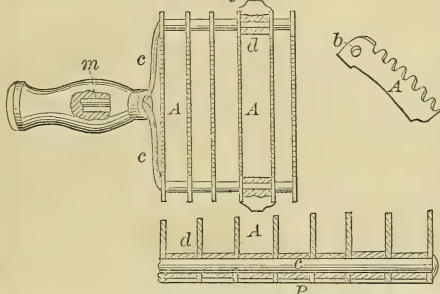
55548—A. W. Sprague—Generating Gas for Inhalation.



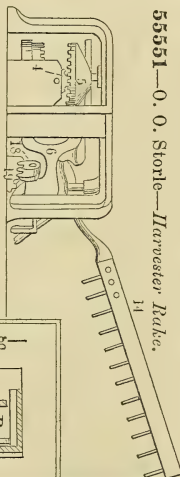
55550—I. H. Stone—Hose Protector.



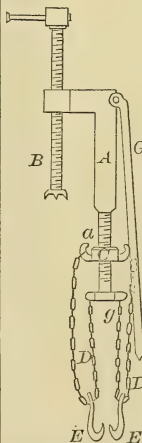
55553—M. Sweet—Curry Comb.



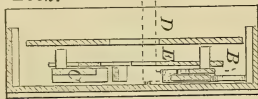
55551—O. O. Storie—Harvester Reel.



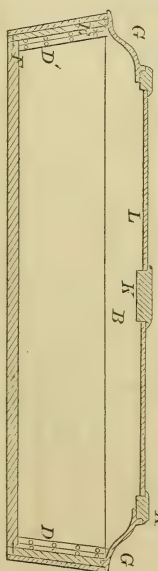
55554—J. C. Thomas—Punking Clamp.



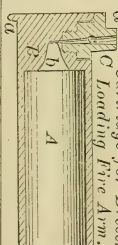
55549—Stachelin & Young—Lock.



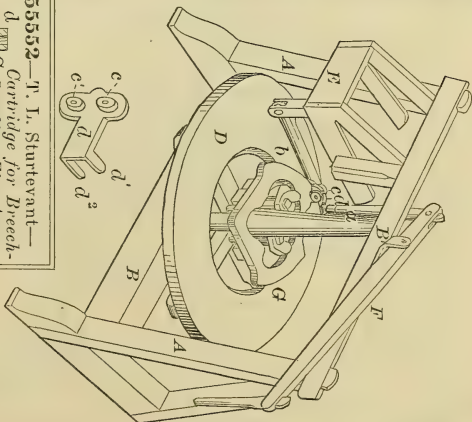
55555—C. Timmerman—Air Tight Burial Case.



55552—T. L. Sturtevant—Cartridge for Breech-Loading Fire Arm.

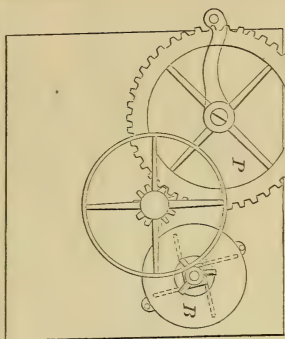
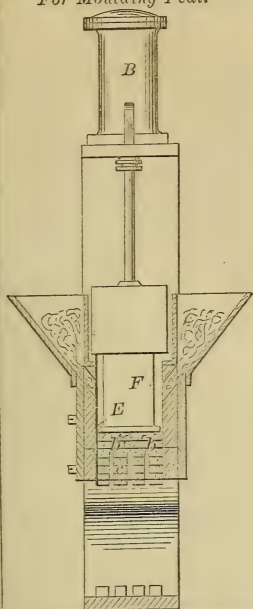


55556—F. Traxler—Dog Churn.

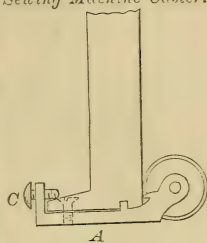




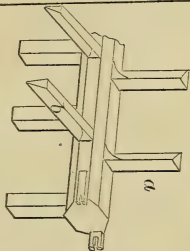
55565—E. Weissenberg—  
*For Moulding Peat.*



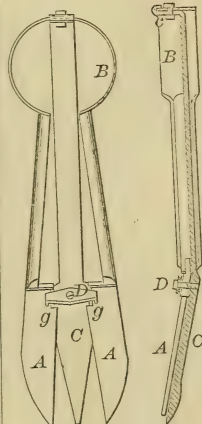
55567—J. N. Wilkins—  
*Sewing Machine Caster.*



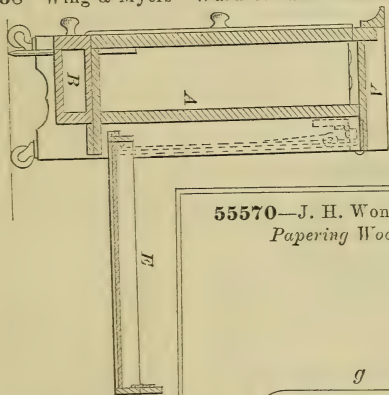
55566—A. Westcott—*Churn.*



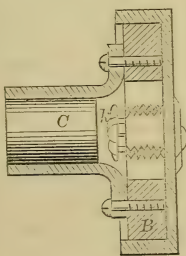
55569—T. & J. W. Wise—*Sheep Shears*.



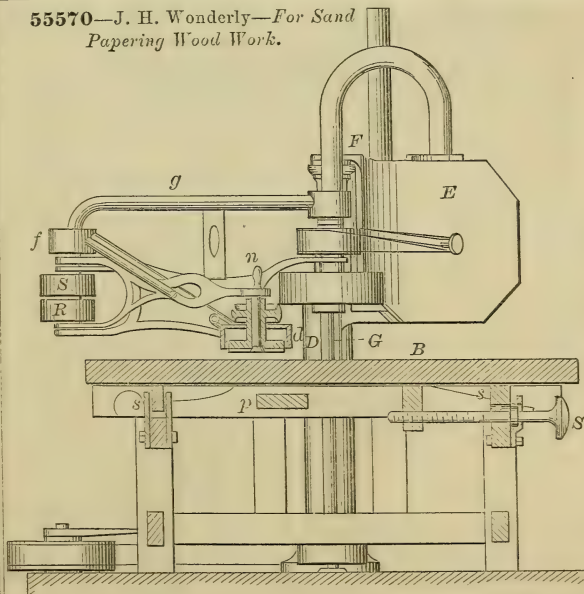
55568—Wing & Myers—*Wardrobe and Bedstead.*



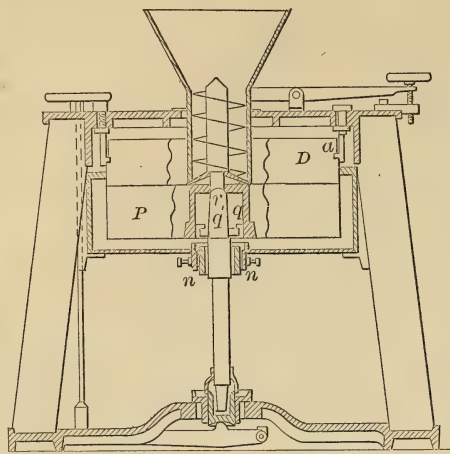
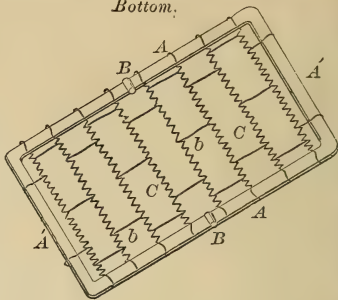
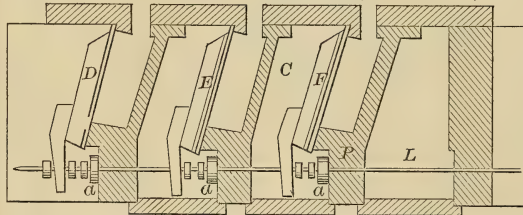
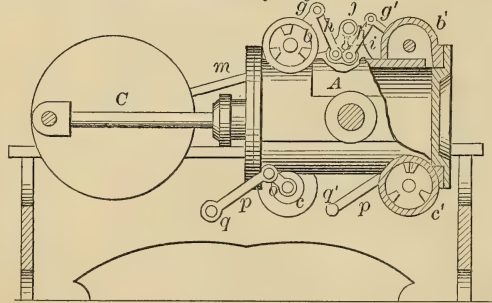
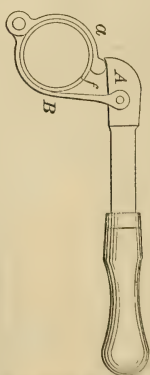
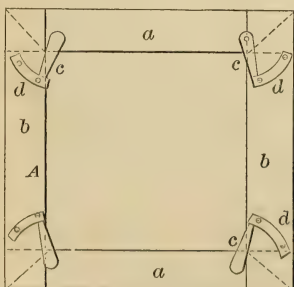
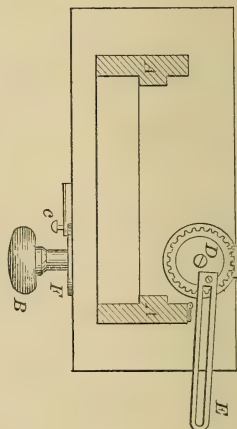
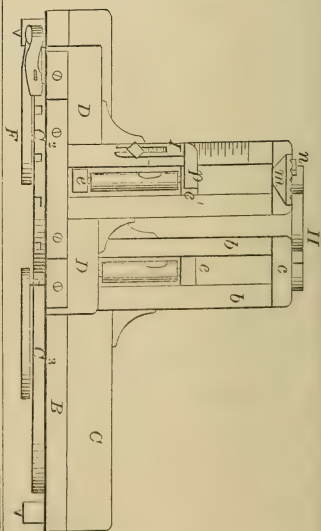
55571—M. M. Young—  
Screw Cutter.



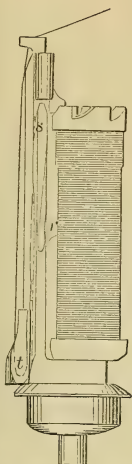
55570—J. H. Wonderly—*For Sand  
Papering Wood Work.*



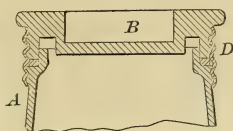


55572—G. P. Zindgraf—*Paint Mill.*55574—C. B. Bristol—*Spring Bed Bottom.*55573—M. Baumgarten—*Valve for Organs, &c.*55575—F. Brown—*Oscillating Engine.*55579—C. Dowd—*Canvas Stretcher.*55578—D. W. Coggeshall—*Pipe Wrench.*55577—H. M. Clark—*Blind Fastener.*55576—D. Bull—*Mitre Box.*

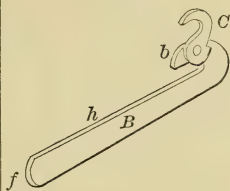
55580—O. E. Brown—*Breeding Machine.*



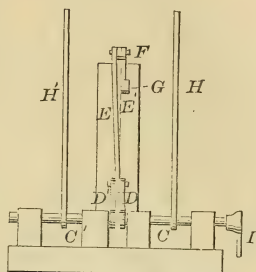
55581—J. Focer—*Fruit Jar.*



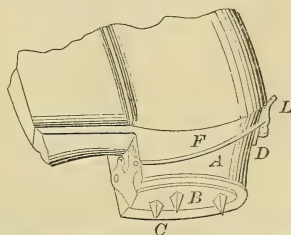
55582—P. A. Gladwin—*Lock Key.*



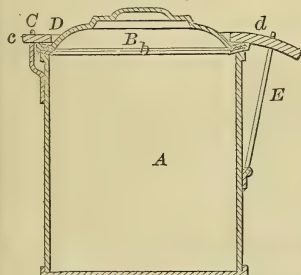
55583—Gregg & Green—*Brick Machine.*



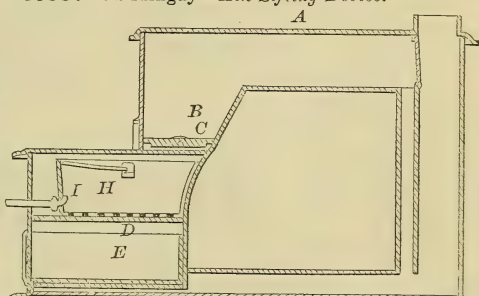
55584—A. S. Hadaway—*Ice Creeper.*



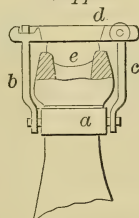
55585—F. H. Lauterbach—*Preserve Jar.*



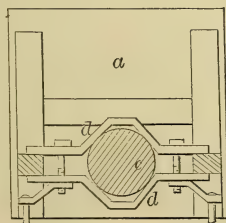
55587—E. Mingay—*Ash Sifting Device.*



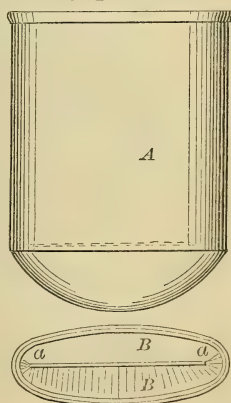
55589—T. Pimer—*Bottle Stopper.*



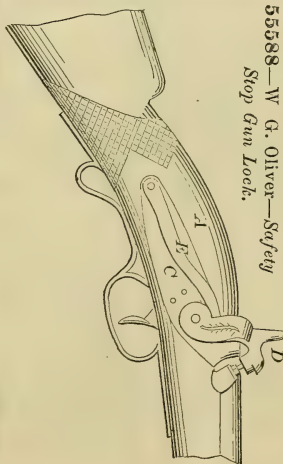
55586—J. McClay—*Driving Piles.*



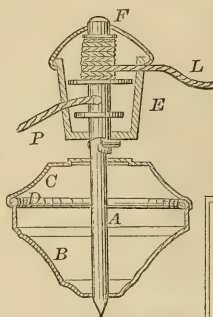
55590—R. E. Sisson—*Photographic Bath.*



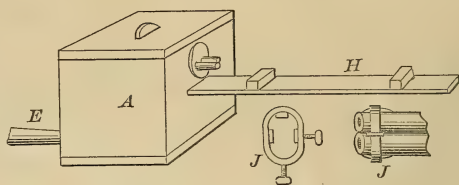
55588—W. G. Oliver—*Safety Stop Gun Lock.*



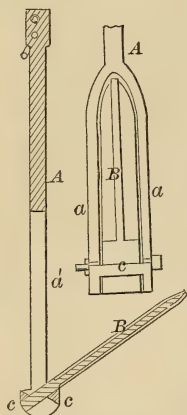
**55591**—F. O. & W. W. Tucker—*Toy Top.*



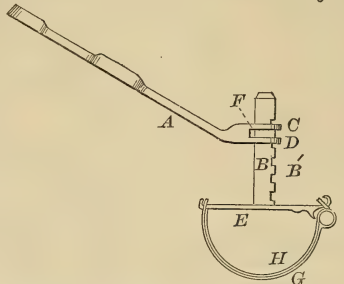
**55596**—E. Allen—*Heating and Soldering Gun Barrels.*



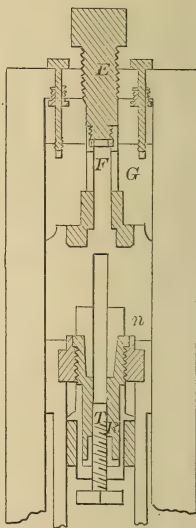
**55593**—P. Dinzey—*Anchor.*



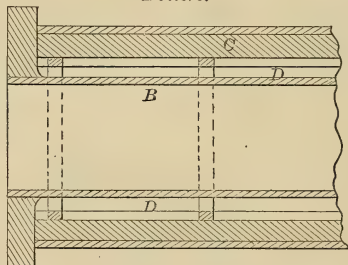
**55595**—J. P. Abbott—*Eaves Trough.*



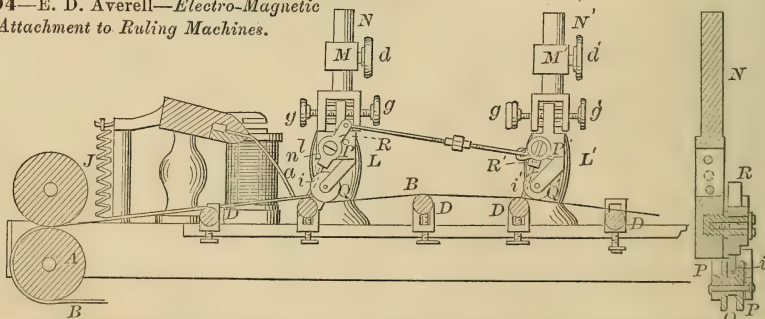
**55597**—H. E. Anthony—*Bolt Heading Machine.*



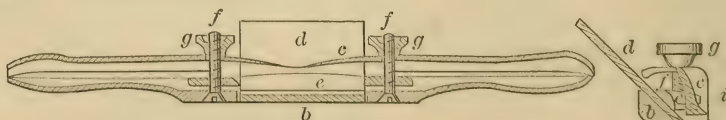
**55598**—J. Ashcroft—*Covering Steam Boilers.*



**55594**—E. D. Averell—*Electro-Magnetic Attachment to Ruling Machines.*

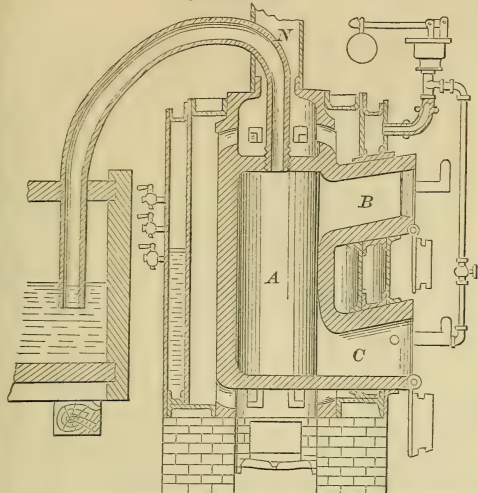


**55599**—L. Bailey—*Spoke Shave.*

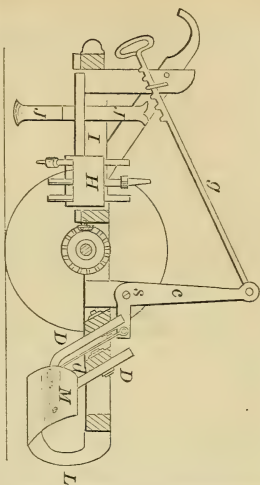




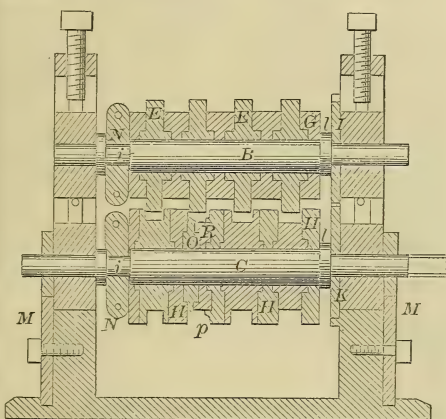
55600—H. M. Baker—*Manufacture of Carbonate of Soda, &c.*



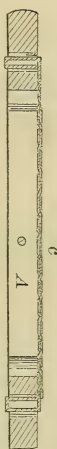
55607—W. W. Blair—*Cotton Cultivator.*



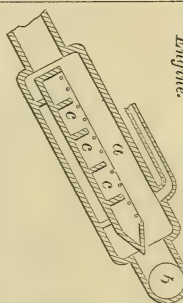
55602—H. J. Batchelder—*Horse Shoe Machine.*



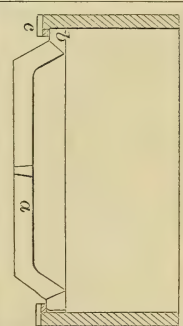
55605—A. Bingham—*Chair Seat.*



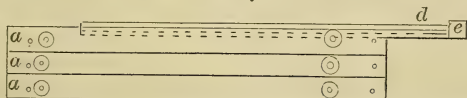
55601—C. W. Baldwin—*Hot Air Engine.*



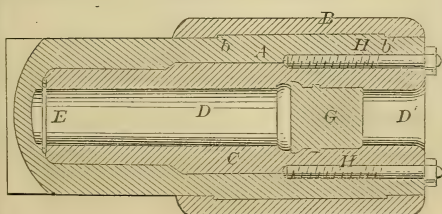
55603—H. K. Bates—*Grate Bar.*



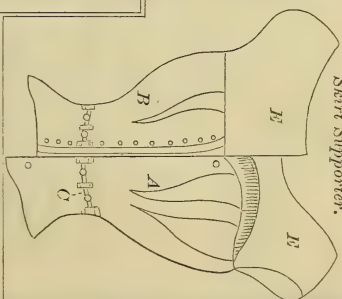
55606—J. F. Birchard—*Slide for Extension Tables.*



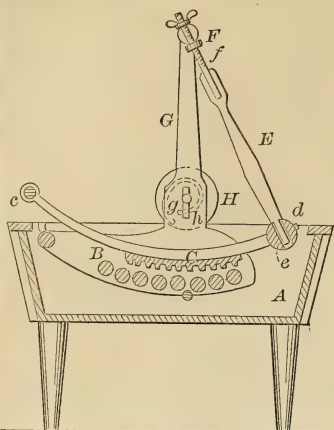
55609—L. W. Broadwell—*Ordnance.*



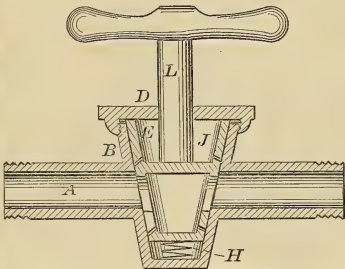
55608—E. Blakeslee—*Corset and Skirt Supporter.*



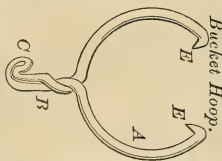
55610—H. Bucknall—*Washing Machine.*




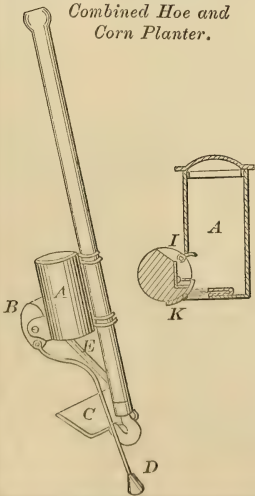
55615—R. Burton—*Steam Plug Valve.*



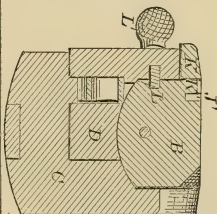
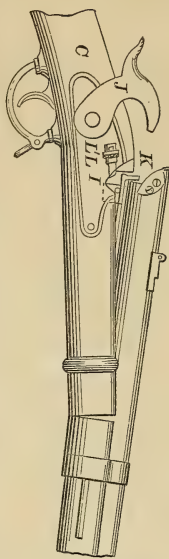
55611—  
J. Bullock—Sup



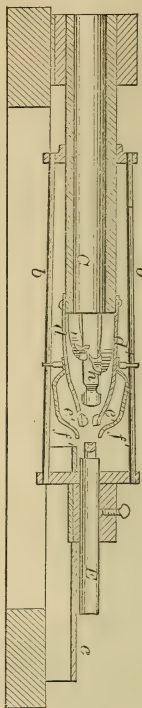
**55612**—J. A. Burchard—  
 *Combined Hoe and  
 Corn Planter.*



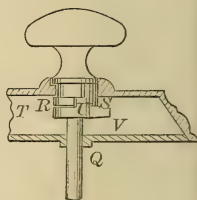
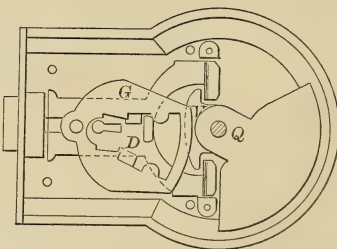
55613—J. Burke—*Breech-Loading Fire Arm.*



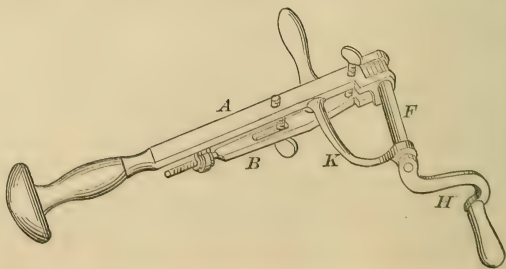
**55614**—Burt & Dunn—*For Cutting Corn from the Cob.*



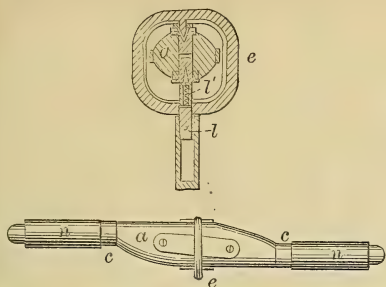
55616—I. D. Bush—*Lock*.



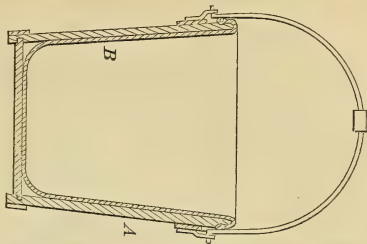
**55617**—E. A. Bushnell—*For Sharpening Horse Shoe Calks.*



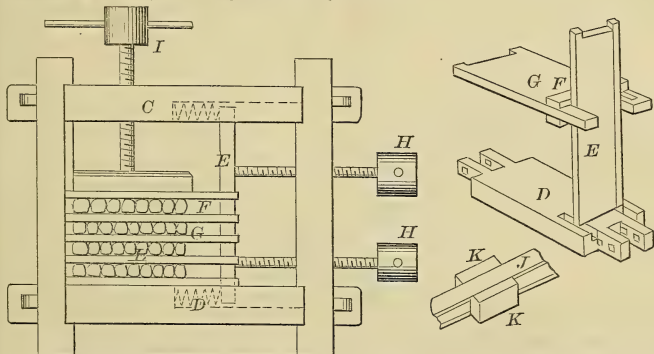
55618—D. P. Butler—*Lifting Bar.*



55621—Carton & Ralph—*Milk Pail.*



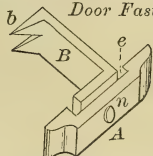
55619—J. Campbell—*Cigar Pressing Machine.*



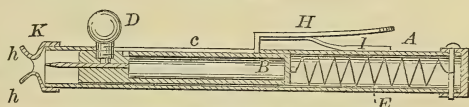
55623—R. Collier—*Pruning Instrument.*



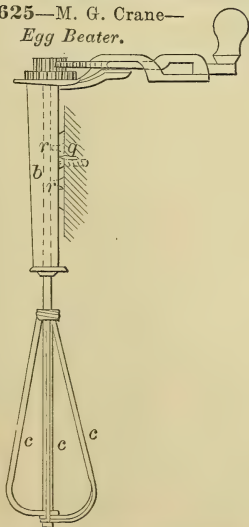
55624—D. Conborn—*Portable Door Fastening.*



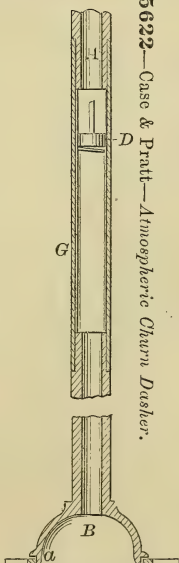
55620—G. J. Capewell—*Spring Lancet.*



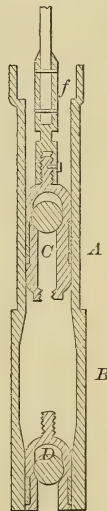
55625—M. G. Crane—*Egg Beater.*



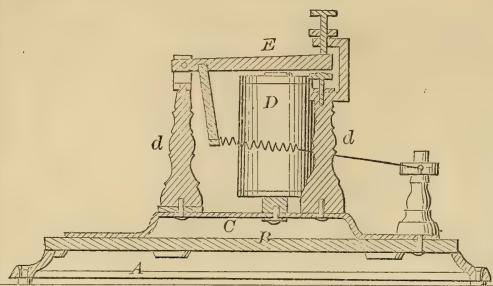
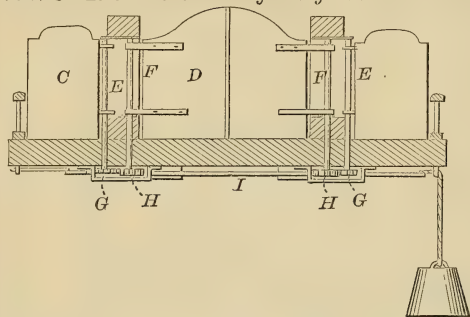
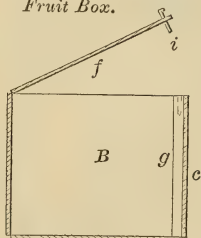
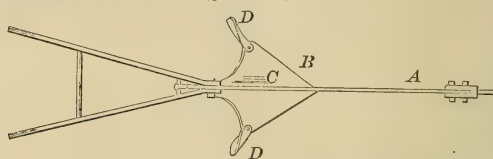
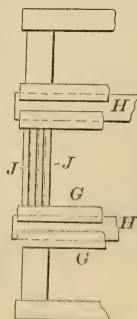
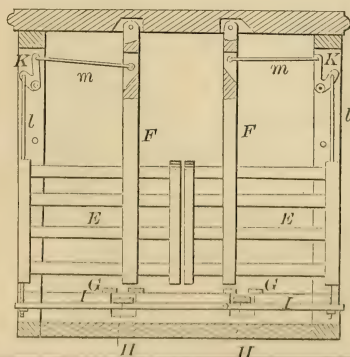
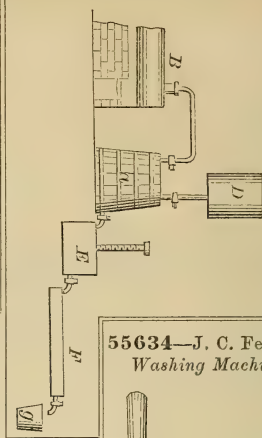
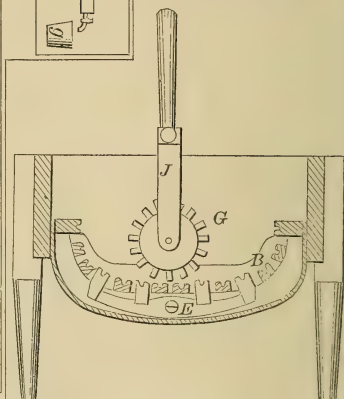
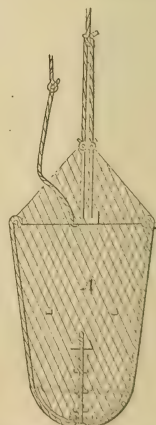
55622—Case & Pratt—*Atmospheric Churn Dasher.*



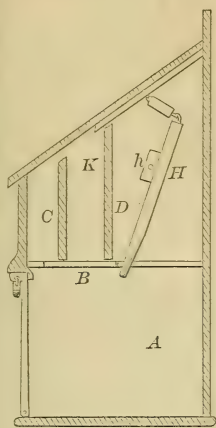
55626—J. H. Davis—*Deep Well Pump.*



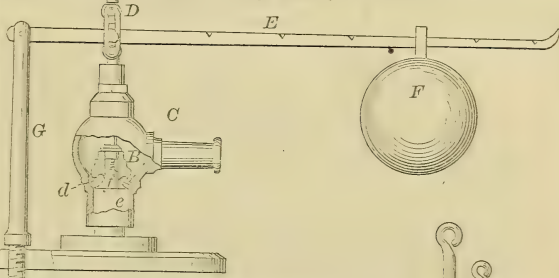


55627—S. F. Day—*Sounder Magnet.*55628—L. P. Decker—*Ferry Bridge Gate.*55632—Edmond & Wirt—*Table Fork.*55631—T. B. Doolittle—*Fruit Box.*55630—P. Dennis—*Shovel Plow.*55633—Elkins & Green—*Automatic Gate.*55629—H. J. Deissner—*Making Syrup from Corn.*55634—J. C. Fellows—*Washing Machine.*55635—E. A. Field—*Fishing Net.*

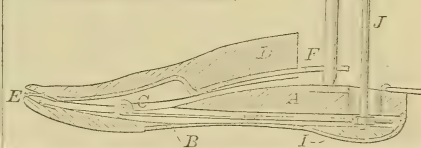
55636—D. D. Foley—  
*Portable Letter Box.*



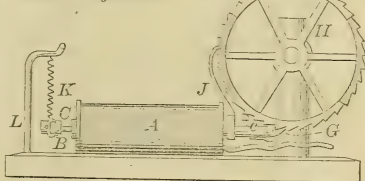
55639—C. L. Frink—*Safety Valve for Boilers.*



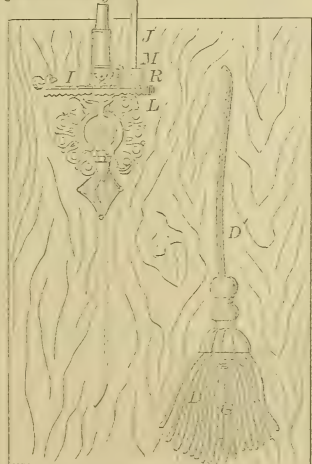
55637—W. Frederick—  
*Boot and Shoe Stretcher.*



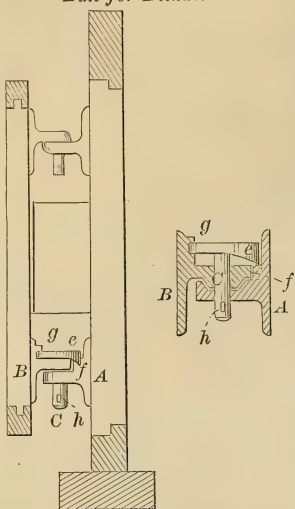
55642—S. Gardiner, Jr.—*Turning Gas Cocks by Electro-Magnetism.*



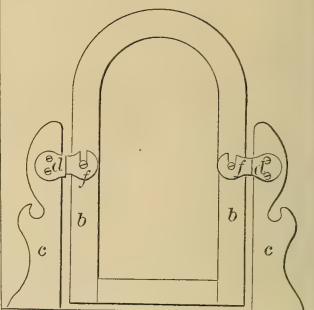
55641—S. Gardiner, Jr.—*Lighting Gas by Electricity.* 



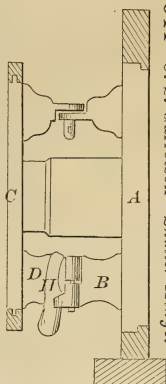
**55643**—O. S. Garretson—*Butt for Blinds.*



**55647**—J. S. & H. F. Gray—*For Hanging Mirrors.*



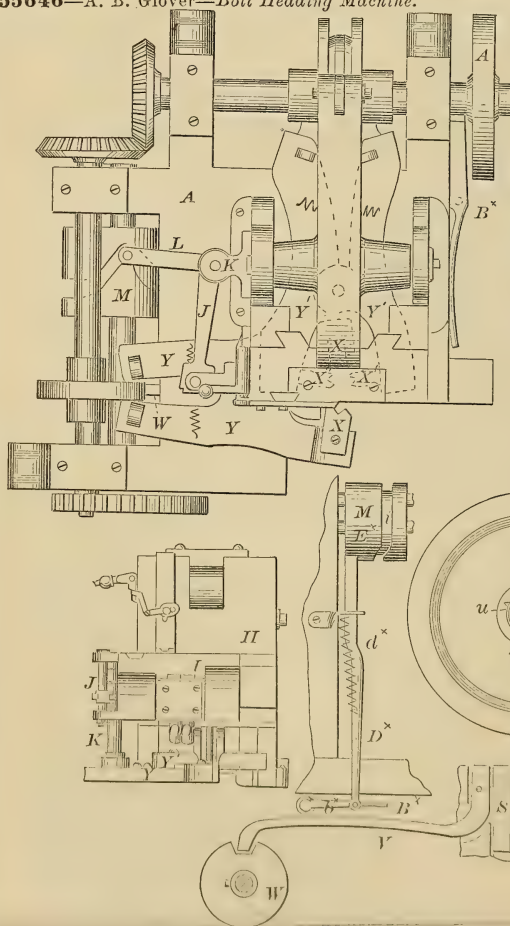
**55644**—O. S. Garretson—*Shutter Hinge.*



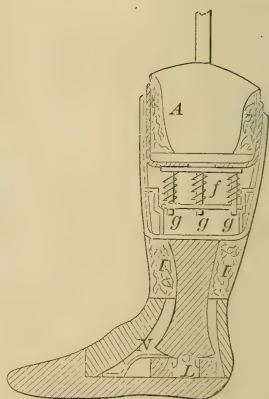
**55648**—A. Hagney—*Snap Hook.*



**55646**—A. B. Glover—*Bolt Heading Machine.*

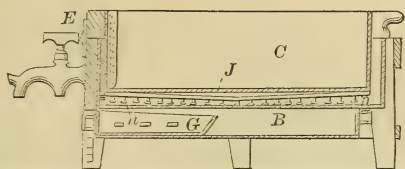


**55645**—D. Gilson—*Artificial Leg.*

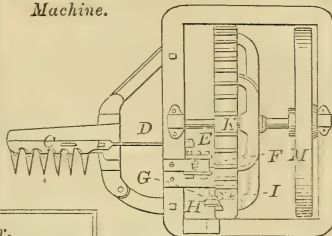





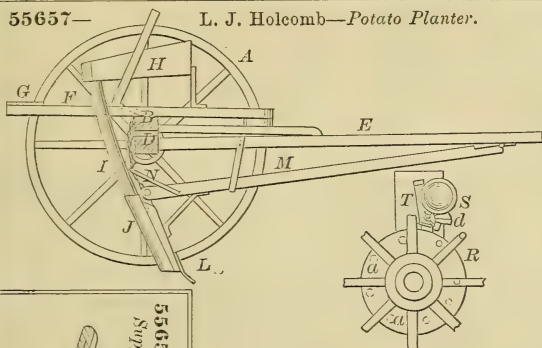
55649—L. C. Hains—*Cheese Vat.*



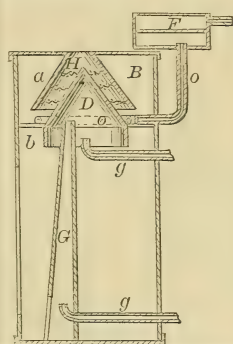
55654—E. & D. Hinchley—*Mowing Machine.*



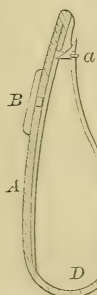
55657—  L. J. Holcomb—*Potato Planter.*



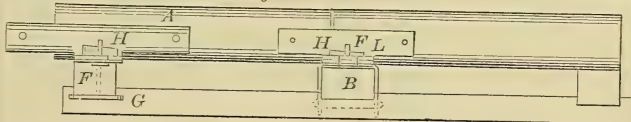
55652—D. G. Huskins—Gas Stove.



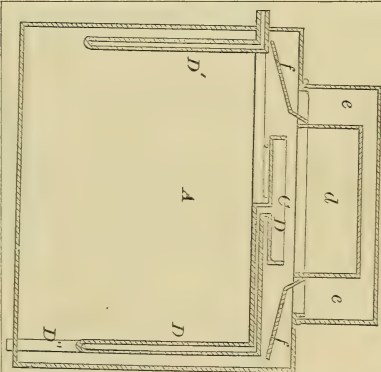
55651—P. V. Harrington—*Stript*  
*Supporter.*



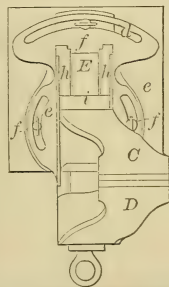
55650—A. Hamill—*Railway Chair.*



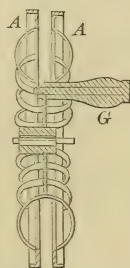
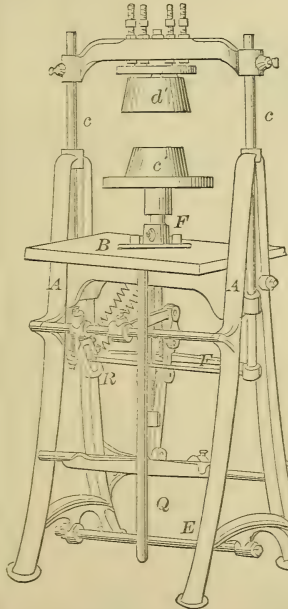
55655—A. A. Hinkley—Refrigerator.



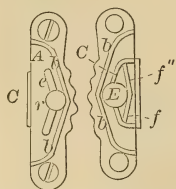
55656—J. S. Hoar—*Bench Wise.*



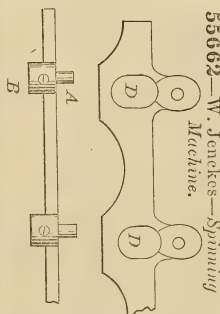
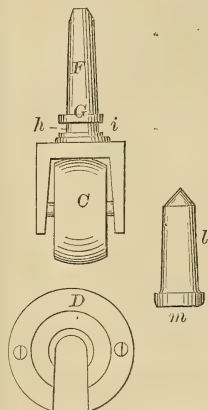
55653—A. Hatch—*Fishing Reel.*

55658—G. C. Howard—*For Pressing and Moulding Materials.*

**55659**—H. C. Hunt—  
*Window Sash Supporter.*

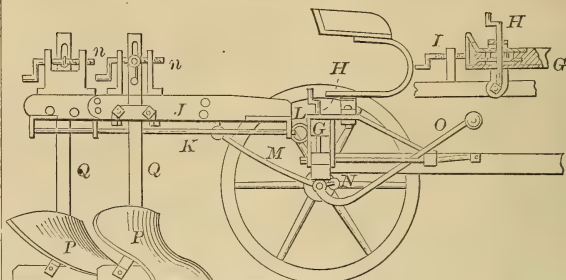


**55665**—W. Johnson—  
*Furniture Caster.*

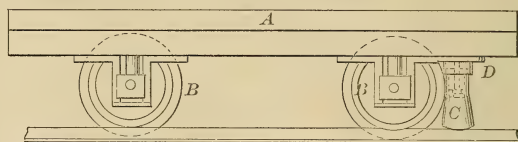


**55662**—W. Jenkes—*Spinning Machine.*

**55660**—J. B. Hunter—*Gang Plow.*



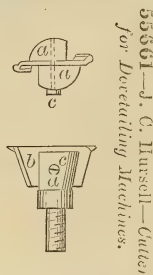
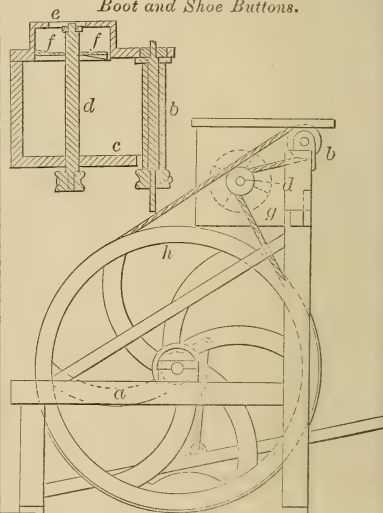
**55663**—F. W. Jenkins—*Railway Car.*



**55666**—Jones & Kitson—*Spinning Top.*

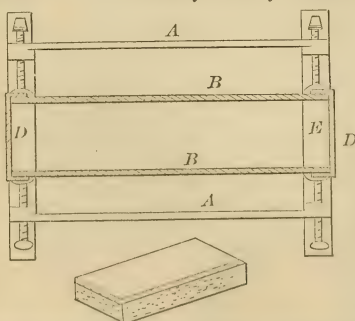


**55664**—Jewett & Everson—*For Facing Boot and Shoe Buttons.*

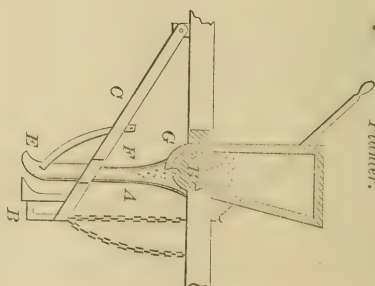


**55661**—J. C. Hunsell—*Cutter for Deretting Machines.*

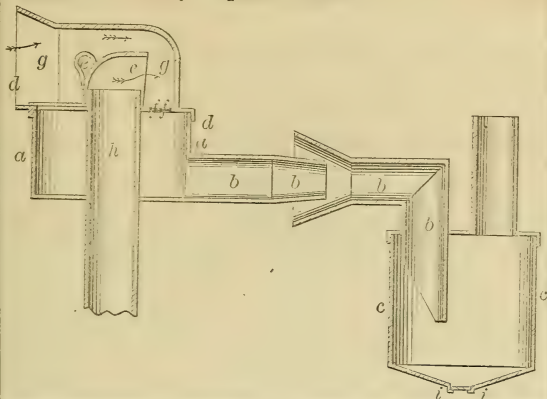
**55667**—F. Jones—*Manufacture of Bricks.*



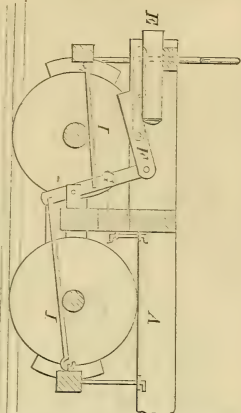
**55668**—W. H. Karicope—*Corn Planter.*



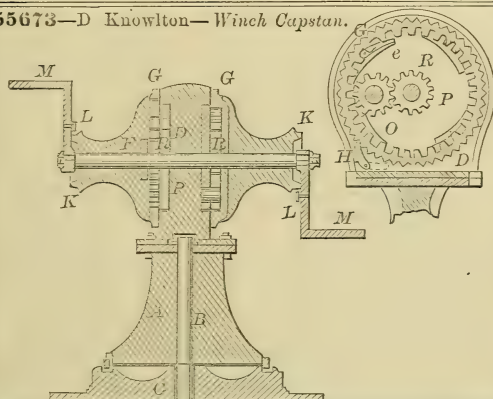
55669—C. B. Keys—Spark Arrester.



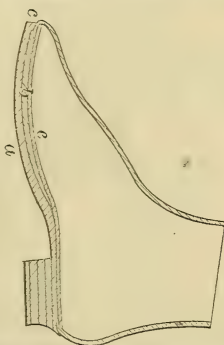
55670—W. H. Kilburn—*Cur Broke.*



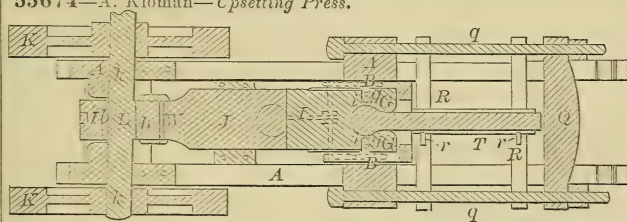
55673—D. Knowlton—Winch Capstan.



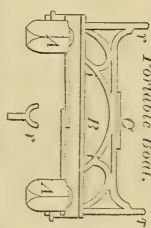
55671—J. Kimball—Boots and Shoes.



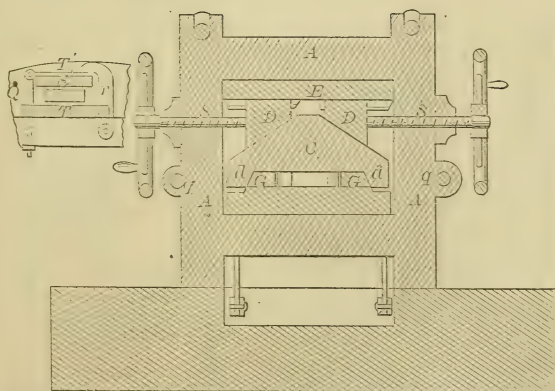
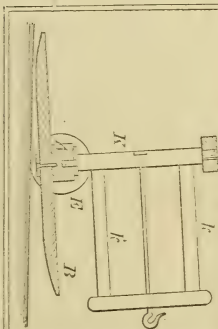
55674—A. Kloman—Upsetting Press.



55675—Kindsen & Assoc—*Portable Boat.*

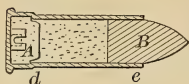


55672—J. King—Horse Rake.

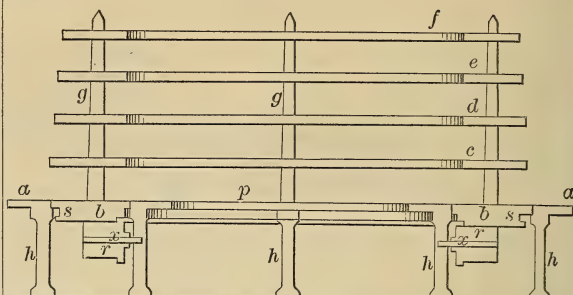




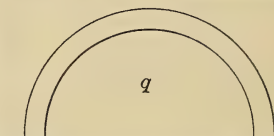
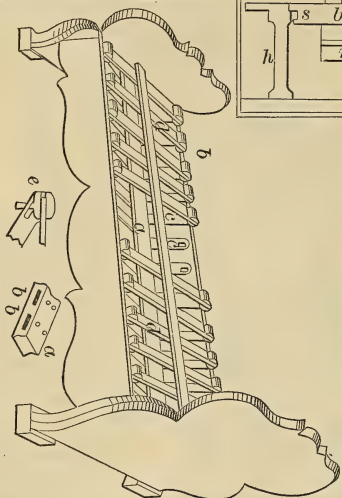
**55676**—T. T. S. Laidley—*Priming Metallic Cartridges.*



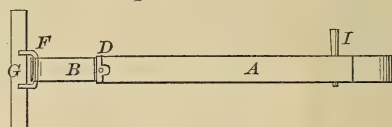
**55677**—W. L. Lance—*Sewing Table.*



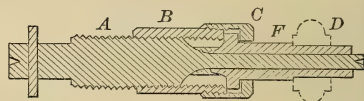
**55680**—R. Lapham—*Spring Bedstead.*



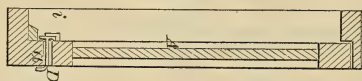
**55678**—Lauphear & Blair—*Bed Bottom.*



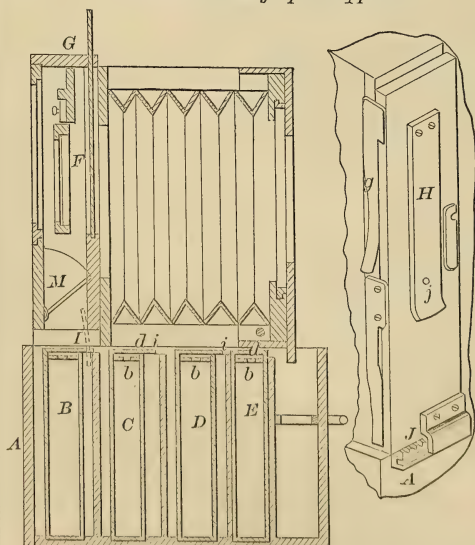
**55681**—C. W. Le Count—*Adjustable Mandrel.*



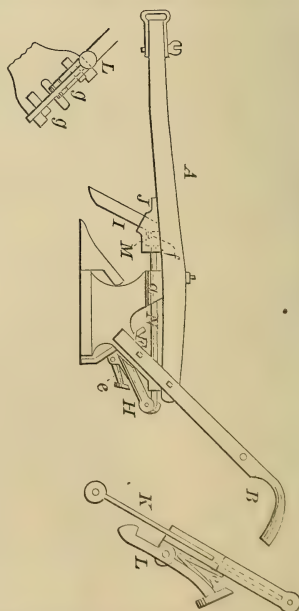
**55683**—J. E. Lindsley—*Weather Strip.*



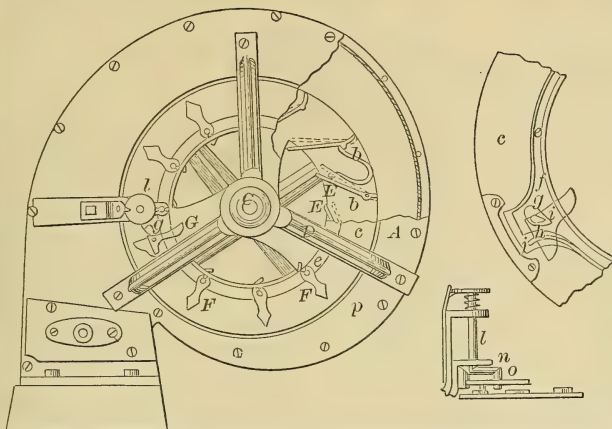
**55682**—C. A. Leech—*Photographic Apparatus.*



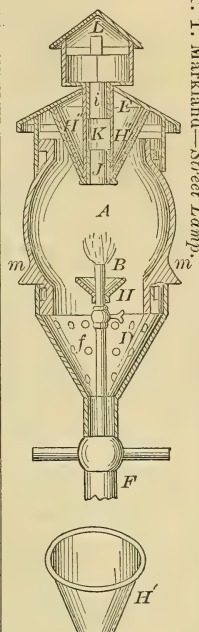
**55684**—C. M. Lufkin—*Plow.*



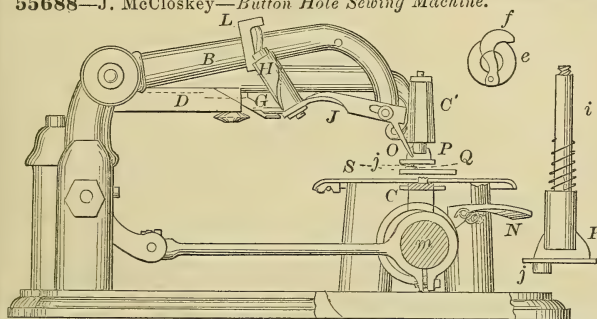
55685—T. H. Mahler—*Water Wheel.*



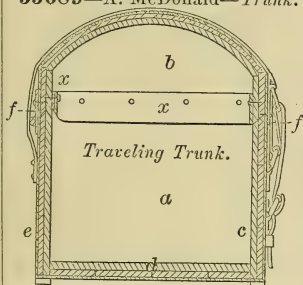
55686—T. T. Markand—*Street Lamp.*



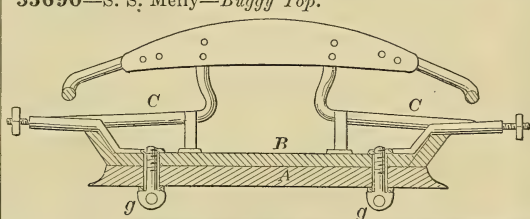
55688—J. McCloskey—*Button Hole Sewing Machine.*



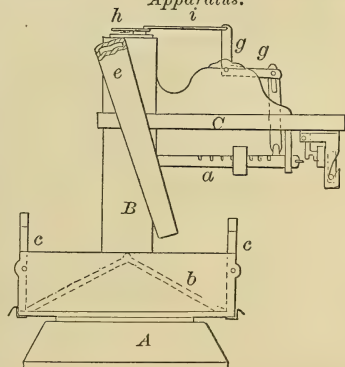
55689—A. McDonald—*Trunk.*



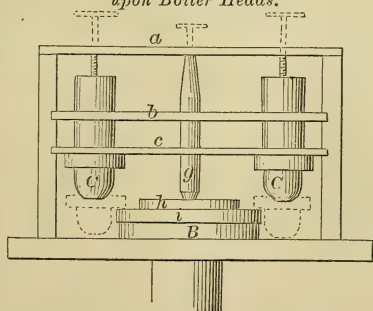
55690—S. S. Meily—*Buggy Top.*



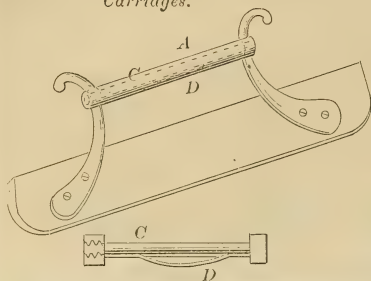
55691—R. S. Morrison—*Grain Weighing Apparatus.*



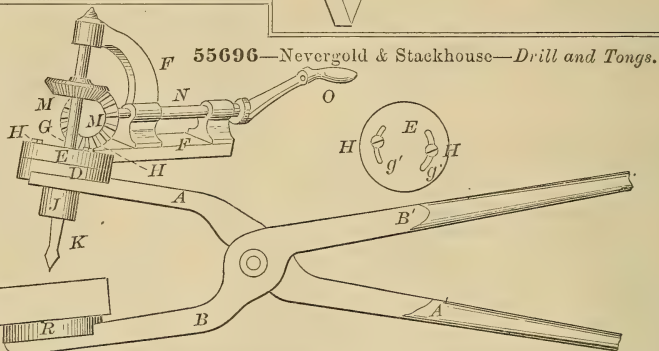
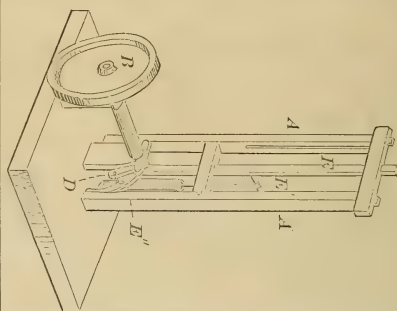
55687—W. W. Martin—*Bending Flanges upon Boiler Heads.*



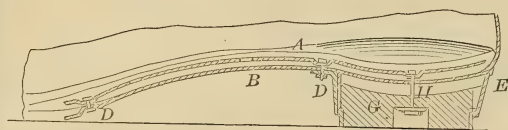
55692—F. B. Morse—*Rub Iron for Carriages.*



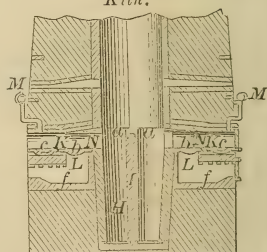
55693—G. Mott—*Well Drilling Machine.*



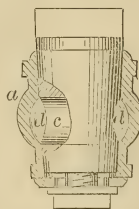
55698—O. Pacalin—*Boots and Shoes.*



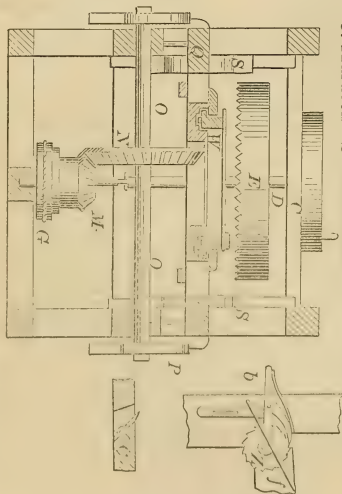
55699—C. D. Page—*Lime Kiln.*



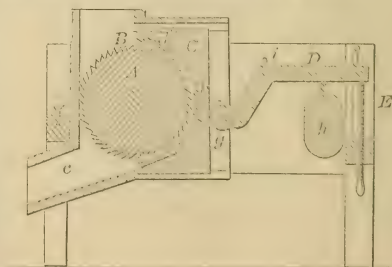
55700—C. C. Parsons—*Stop Cock.*



55695—C. Murdoch—*Stave Machine.*

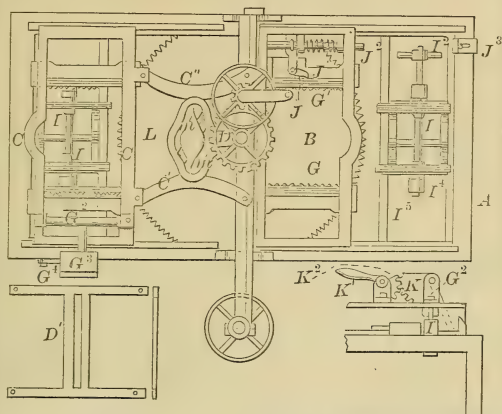
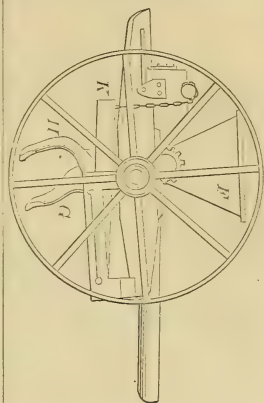


55701—J. Perkins—*Cotton Seed Huller.*

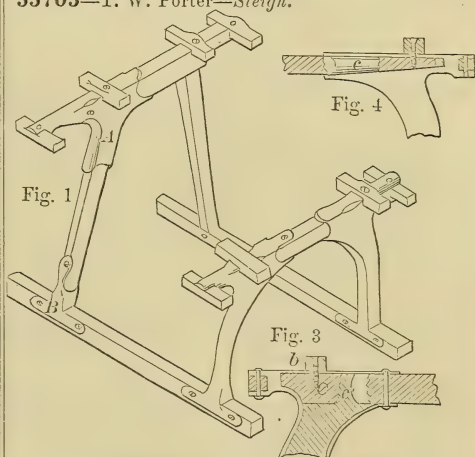




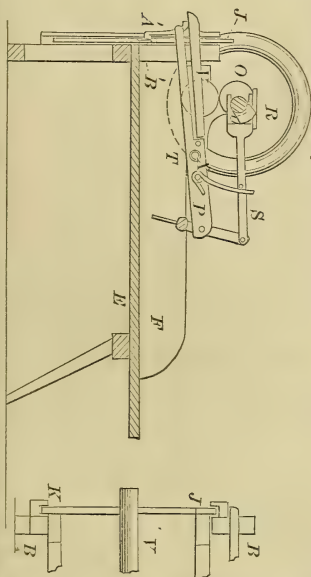
55702—C. L. Pierce—*Shingle Machine.*

55707--A. Putnam--*Givern Drill.*

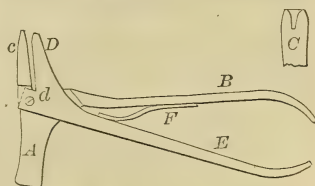
55705—T. W. Porter—*Sleigh*.



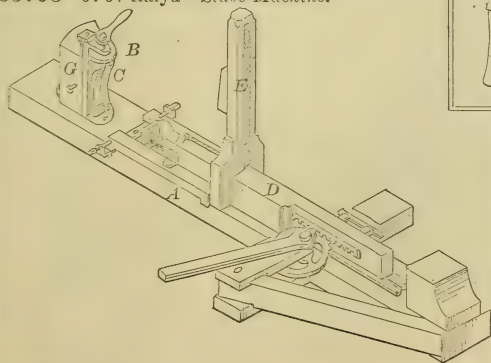
55703—C. Polley—Straw Cutter



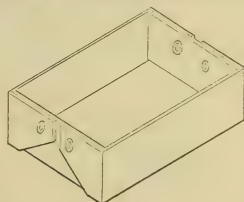
55704.—A. Pond—*Tack Hammer*.

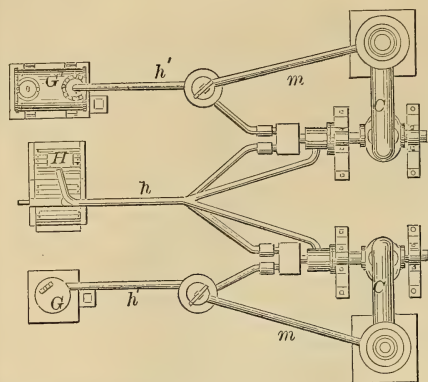
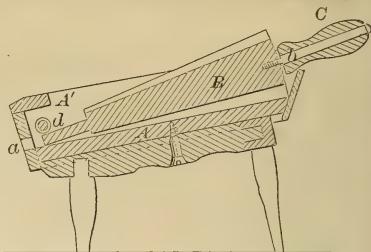
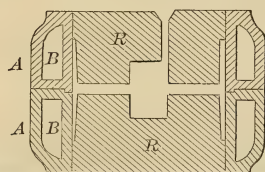
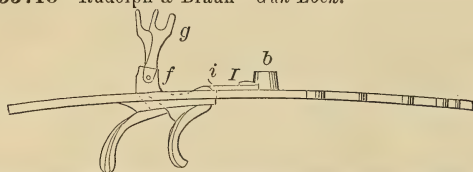
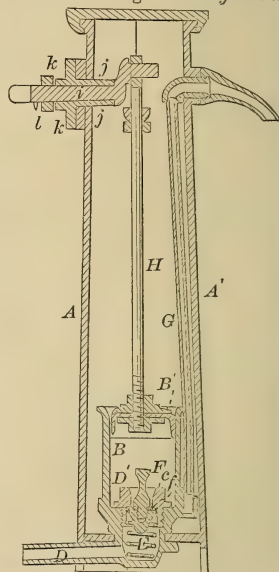
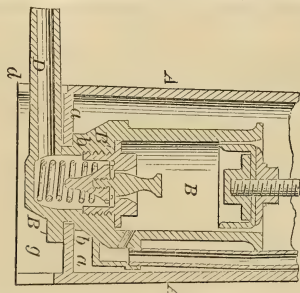
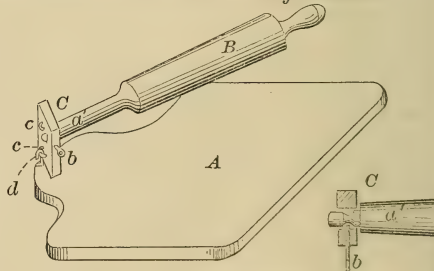
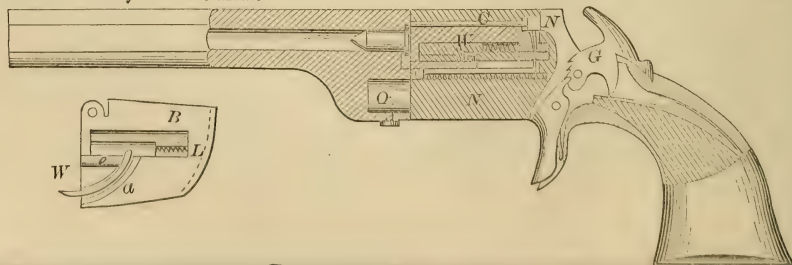


55708—J. J. Ralya—*Stare Machine.*

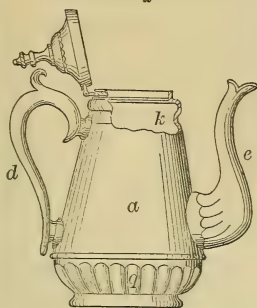


55709—C. Reese—*Fruit Box.*

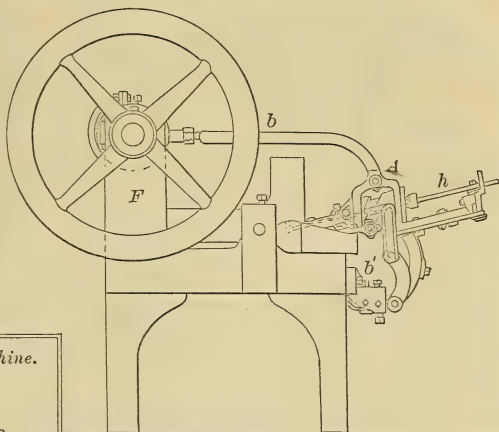


55710—J. Reese—*Reducing Metallic Oxides.*55714—J. Robinson—*Butter Worker.*55713—W. D. Rinehart—*Mould for Casting Pulleys.*55717—L. W. Russell—*Buckle.*55716—Rudolph & Braun—*Gun Lock.*55712—J. Regester—*Hydrant.*55711—J. Regester—*Hydrant.*55718—G. W. Sanders—*Dough Kneader.*55719—A. Sayer—*Fire Arm.*

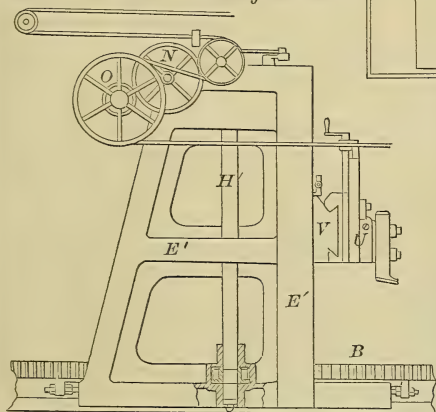
**55720**—P. G. H. Schaeffer—*Tea and Coffee Pot.*



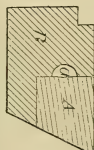
**55722**—T. A. Searle—*Nail Plate Feeder.*



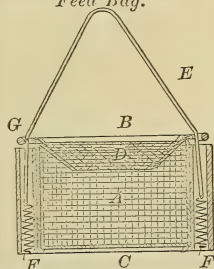
**55723**—W. Sellers—*Planing Machine.*



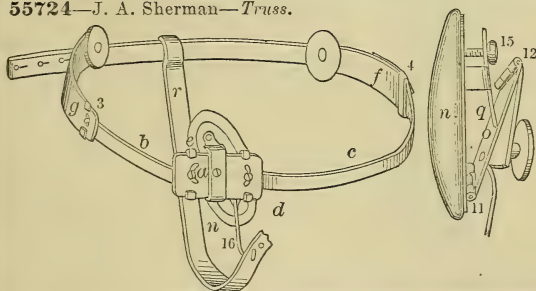
**55721**—P. Schouler—*Billiard Table.*



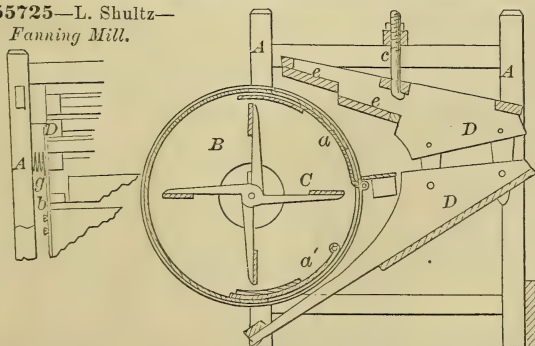
**55726**—F. J. Simeon—*Feed Bag.*



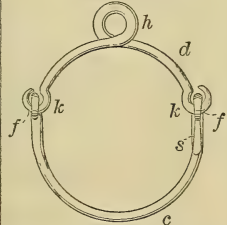
**55724**—J. A. Sherman—*Truss.*



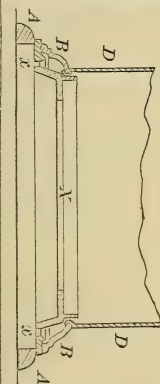
**55725**—L. Shultz—*Fanning Mill.*



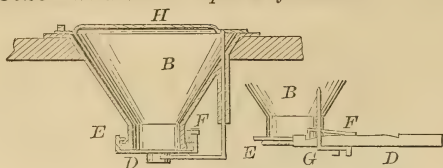
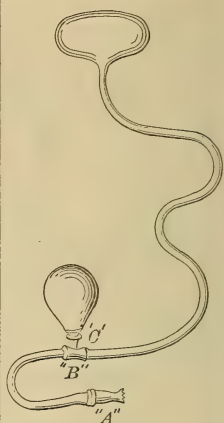
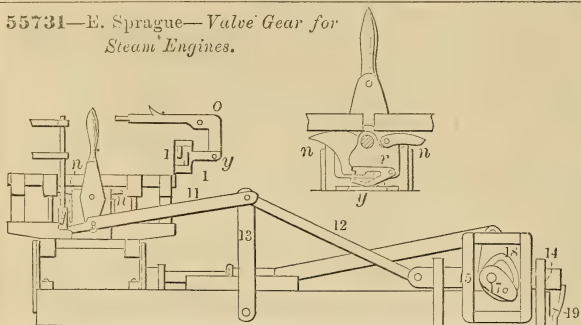
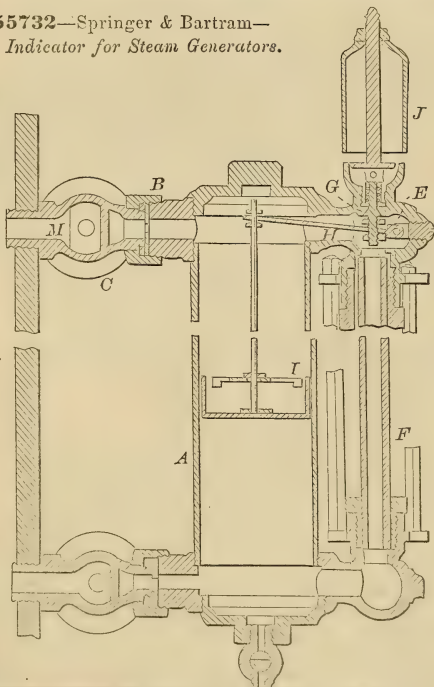
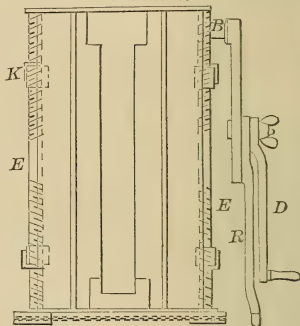
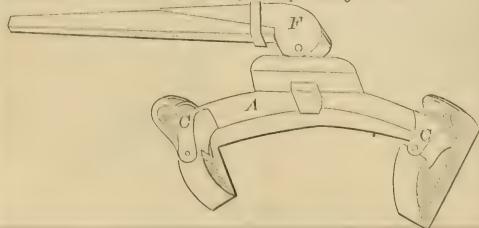
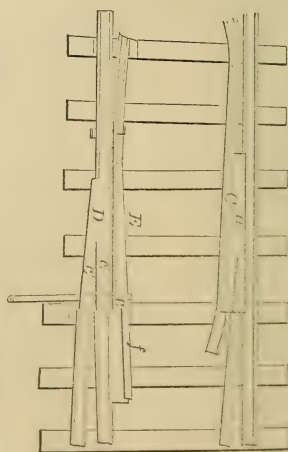
**55727**—H. C. Small—*Cattle Tie.*



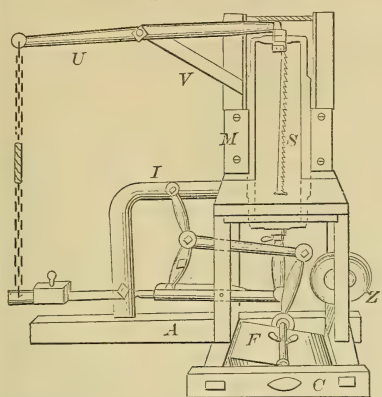
**55728**—S. Smith—*Heating Stove.*



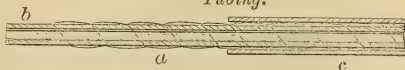


55729—W. G. Smith—*Spittoon for Cars.*55733—I. Stealy—*Pessary.*55731—E. Sprague—*Valve Gear for Steam Engines.*55732—Springer & Bartram—*Indicator for Steam Generators.*55734—A. B. Stillings—*Knitting Machine.*55735—A. Stow—*Device for Upsetting Tire.*55736—W. J. Stowell—*Railroad Switch.*

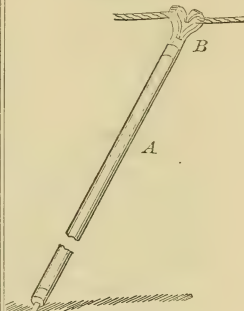
55738—Z. Swope—Sawing Machine.



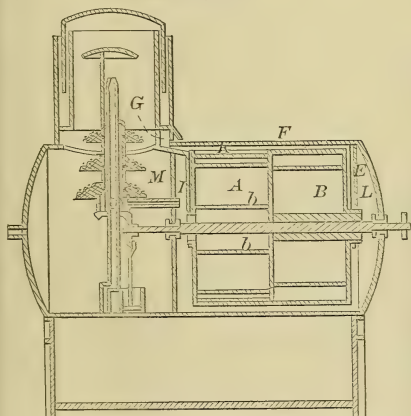
55740—W. B. S. Taylor—Manufacture of Tubing.



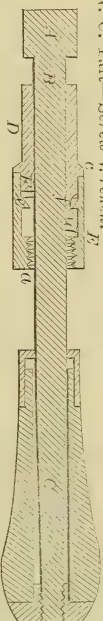
55744—F. W. Tilton—Clothes Pole.



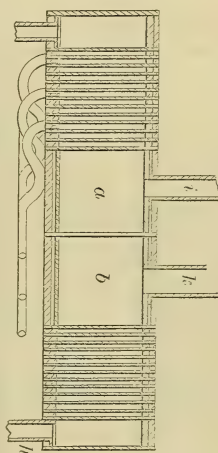
55741—J. B. Terry—Apparatus for Carburetting Air.



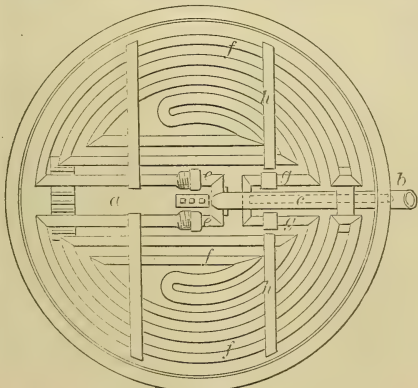
55739—G. C. Taft—Screw Wrench.



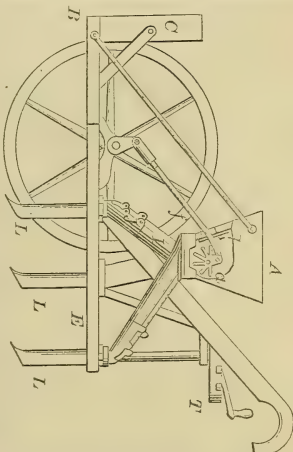
55746—J. Trageser—Apparatus for Cooling and Condensing Beer, Alcohol, &c.



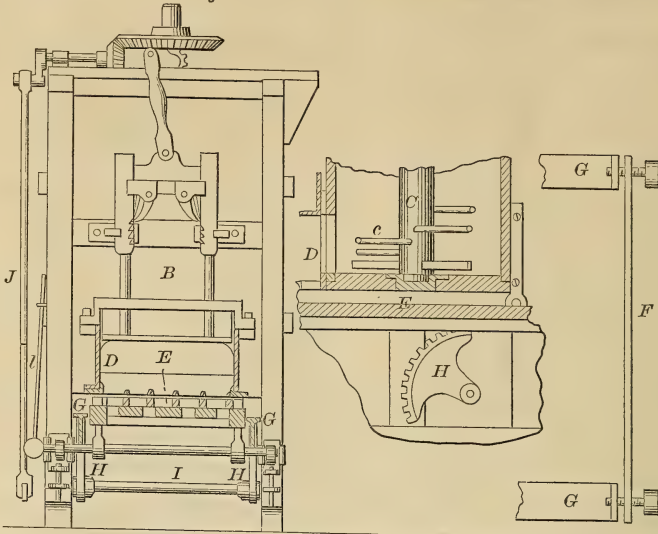
55747—Trageser & Schreiber—Coil for Brewers' Boilers.



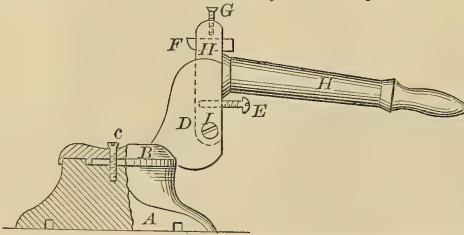
55742—Thomas & Mast—Grain Drill.



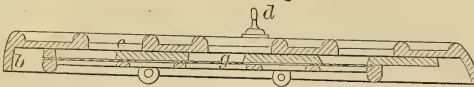
55748—B. Van Vrauken—Clay and Peat Press.



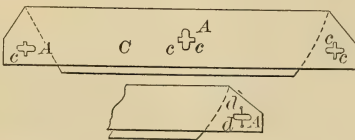
55749—W. T. Vose—Lathe Rest for Turning Balls.



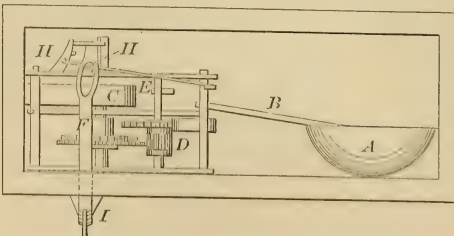
55751—G. W. Walker—Stove Damper.



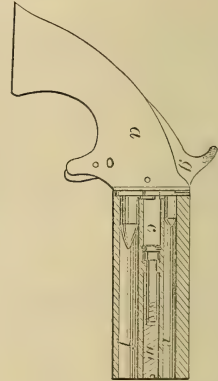
55753—N. F. Whiting—Button Hole for Paper Collars.



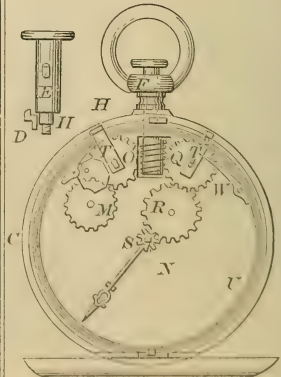
55754—H. Wickham, Jr.—Burglar Alarm.



55752—H. F. Wheeler—Fire Arm.

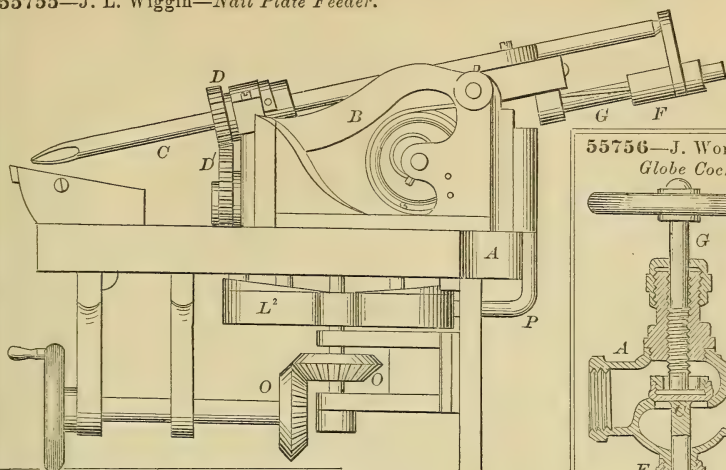


55750—A. Wadsworth—Watch.

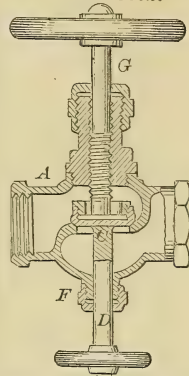




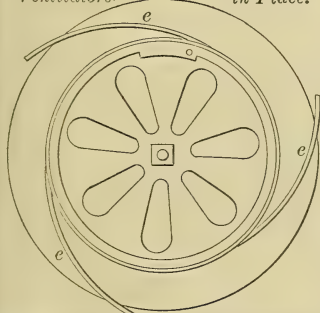
55755—J. L. Wiggin—Nail Plate Feeder.



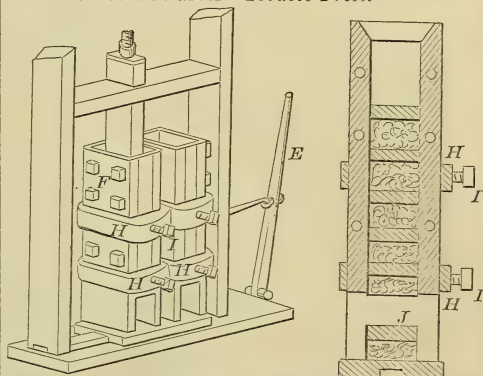
55756—J. Worcester—Globe Cock.



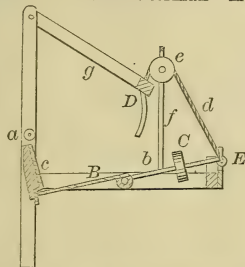
55757—M. Zabel—Fastening Ventilators in Place.



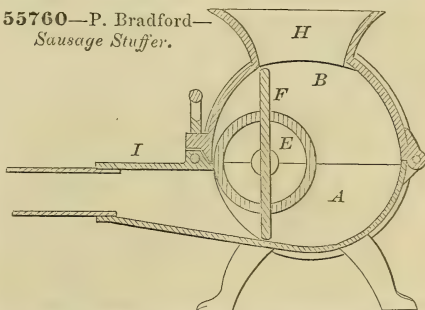
55759—J. W. Barber—Tobacco Press.



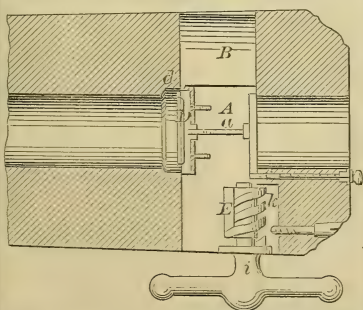
55758—W. Zimmerman—Harvester.



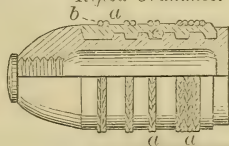
55760—P. Bradford—Sausage Stuffer.



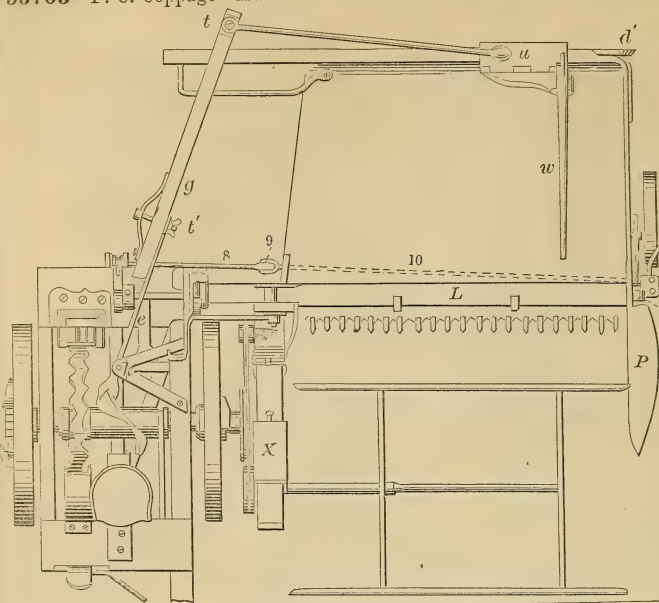
55762—L. W. Broadwell—Ordnance.



55761—L. W. Broadwell—Packing Projectiles for Rifled Ordnance.



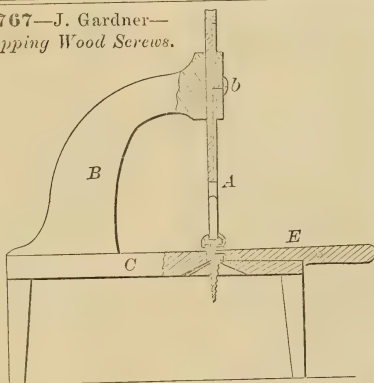
55763—F. C. Coppage—*Harvester.*



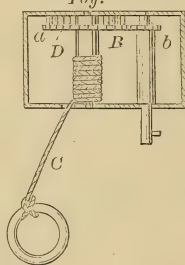
55764--A. C. Estabrook--Brush.



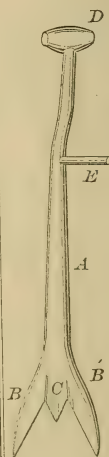
55767—J. Gardner—  
*Capping Wood Screws.*



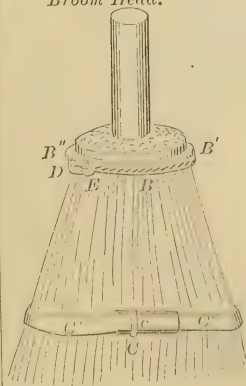
55766—F. W. Flagg—  
*Toy.*



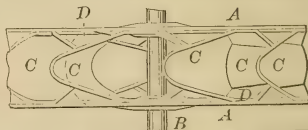
55765—F. J. Fischer—Hay Knife.



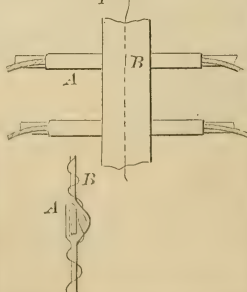
55769—G. W. Golay—  
*Broom Head.*



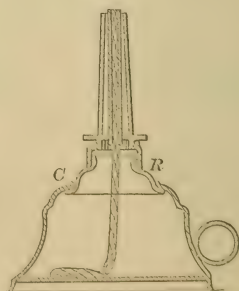
55770—W. H. Holland—*Paddle Wheel.*



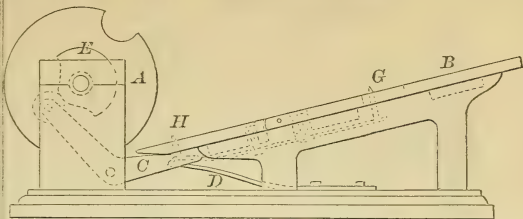
55768—T. S. Gilbert—  
*Hoop Skirt.*



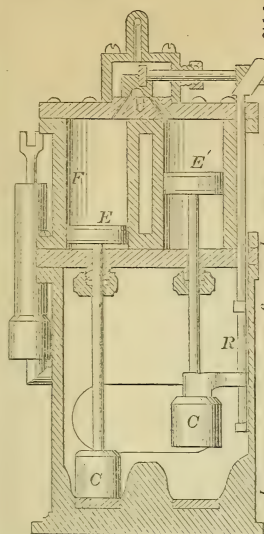
55771—D. Howarth—  
*Lamp.*



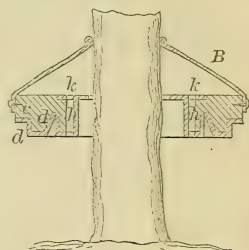
55774—J. Kirk—Registering Apparatus.



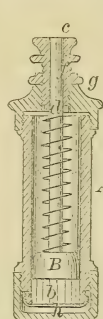
55772—C. R. James—Operating Hammers and Straps.



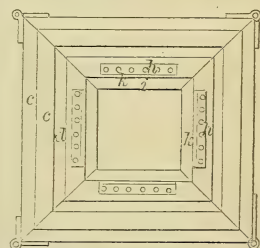
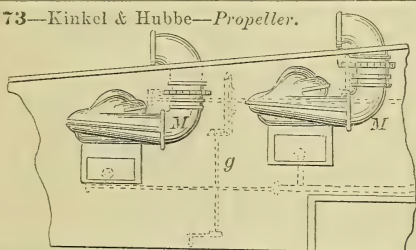
55776—W. & D. McCaine—Tree Protector.



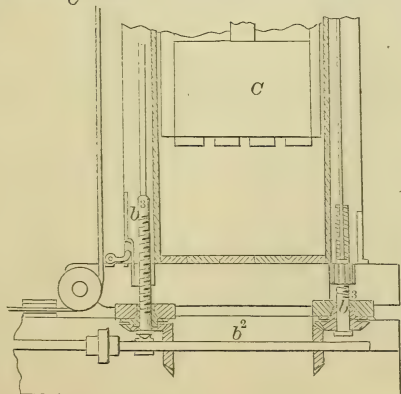
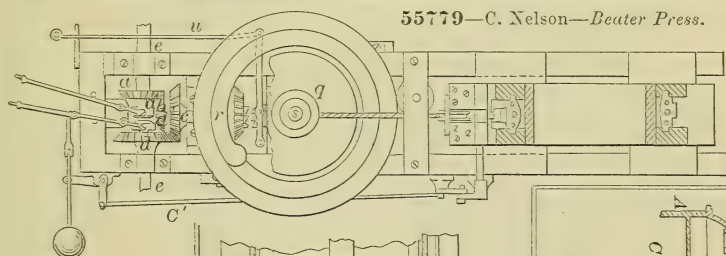
55775—F. Klee—Instrument for Irritating the Skin.



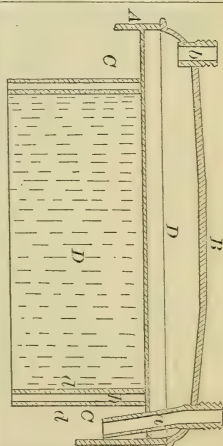
55773—Kinkel & Hubbe—Propeller.



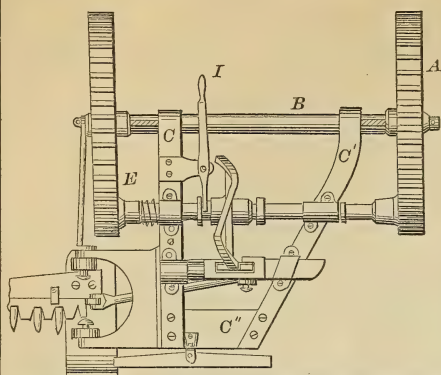
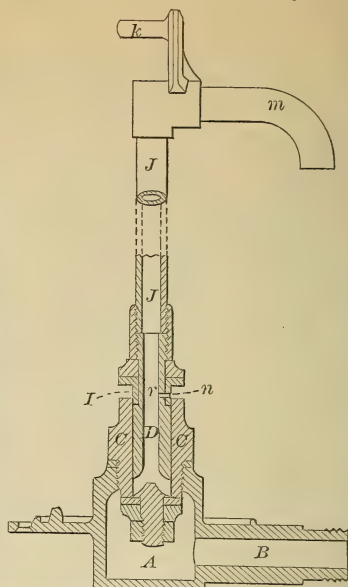
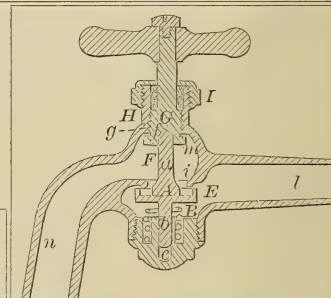
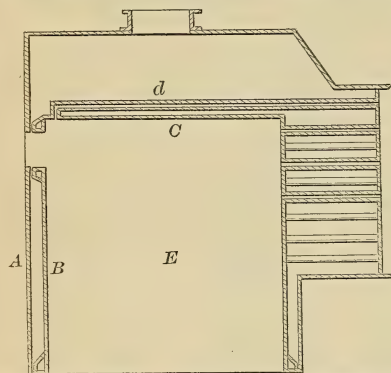
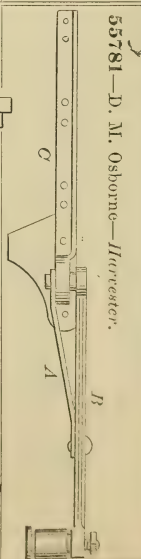
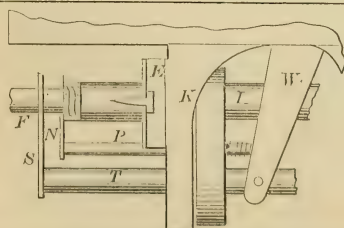
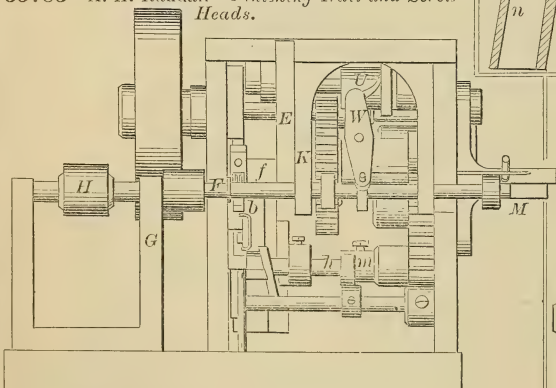
55779—C. Nelson—Beater Press.



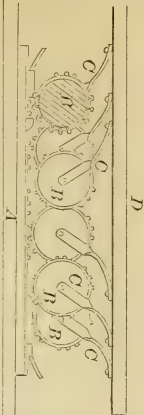
55778—A. C. Messenger—Apparatus for Carbureting Air.



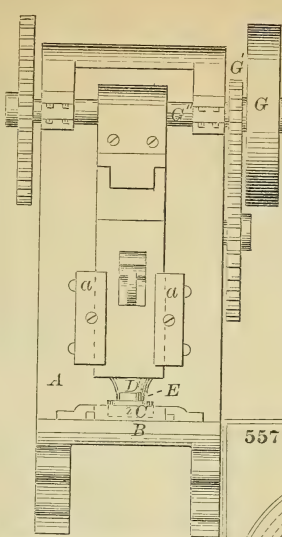


55780—D. G. Norris—*Harvester.*55782—Pixley & Robertson—*Hydrant.*55785—M. M. Rounds—*Steam Generator.*55784—F. Ronch—*Stop Cock.*55783—A. A. Randall—*Finishing Nail and Screw Heads.*55781—D. M. Osborne—*Harvester.*55786—F. W. Schroeder—*Harvester.*

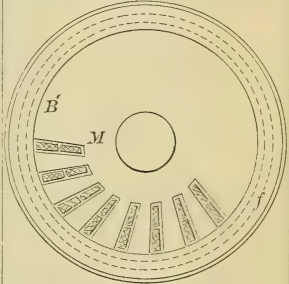
55788—R. C. Swann—*Sunt Machine.*



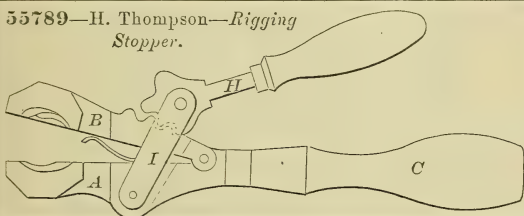
55790—J. H. Tokey—*Sewing Machine.*



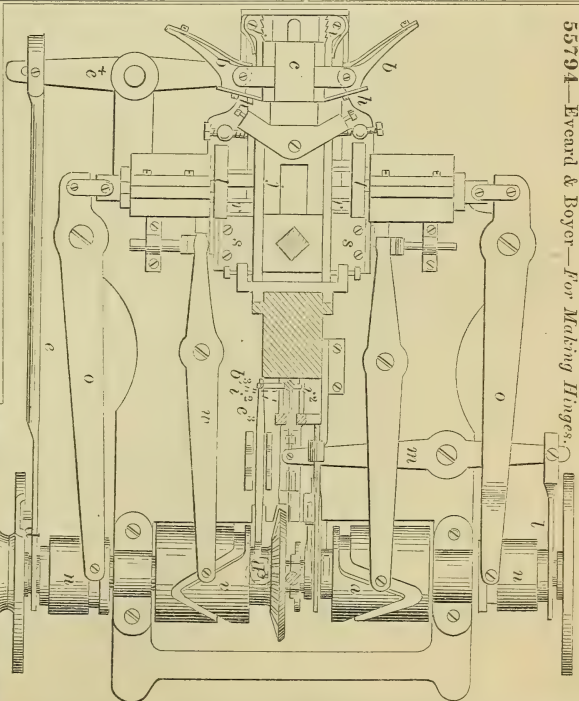
55792—J. Aubin—*Grinding Mill.*



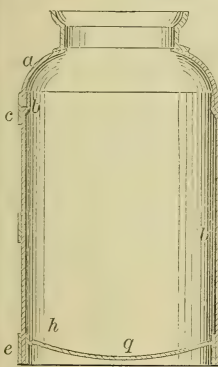
55789—H. Thompson—*Rigging Stopper.*



55794—Eveard & Boyer—*For Making Hinges.*



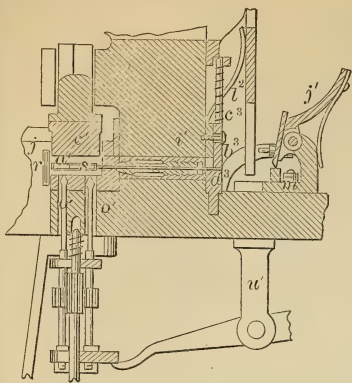
55791—J. F. Van Duzer—*Milk Can.*



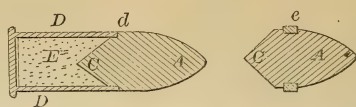
55793—A. Boissonneau—*Artificial Eye.*



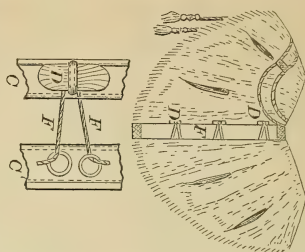
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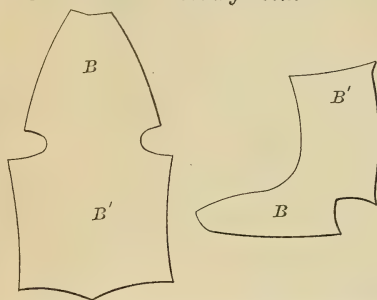
55796—S. H. Haycock—*Projectile*.



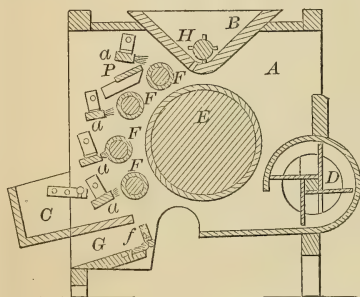
55798—I. Lewine—*Button Attachment.*



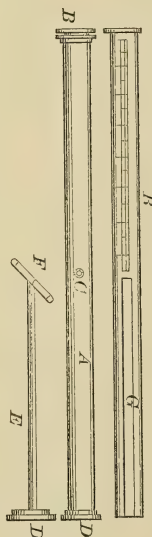
55799—J. Adams—*Cutting Boots.*



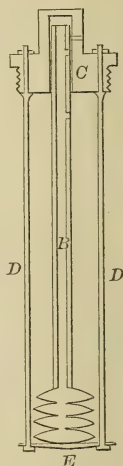
55800—W. M. Arnall—*Grain Separator and Cleaner.*



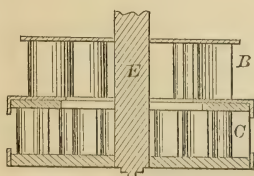
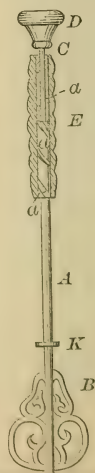
55797—S. G. Elliott—Photometer.



55801—A. Arnold—*To Prevent Boiler Explosions.*

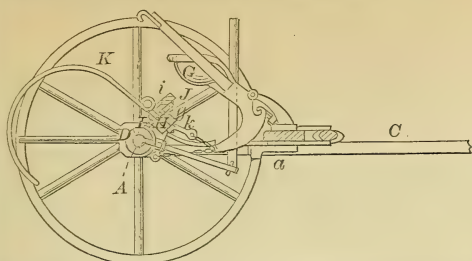


55803—S. W. Ayres—*Water Wheel.*

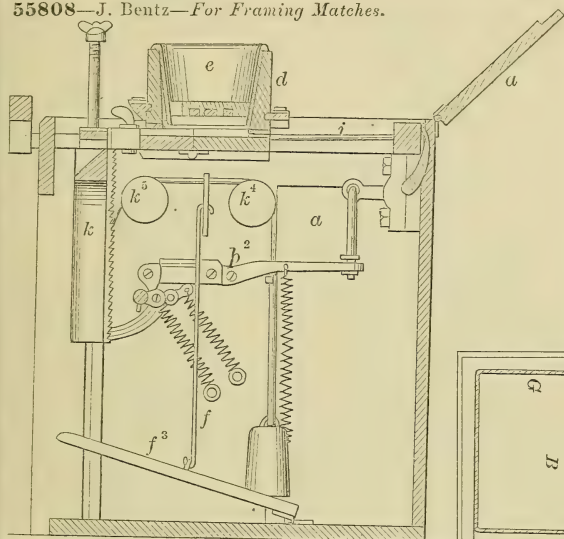
55802—T. Ashley—*Egg Beater*.



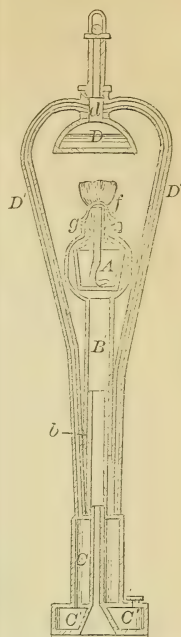
55804—Bailey & Burdick—Horse Rake.



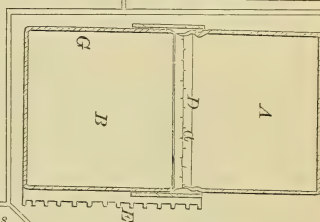
55808—J. Bentz—For Framing Matches.



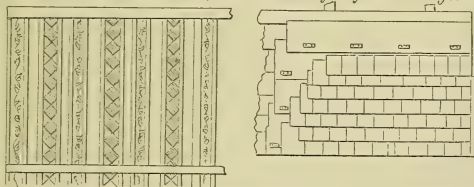
55806—J. H. Beidler—Lamp.



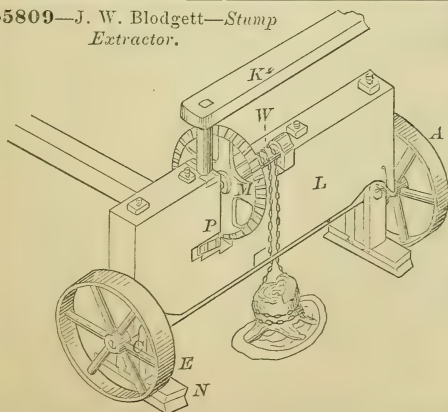
55807—W. A. Benis—  
Grater and Egg Beater.



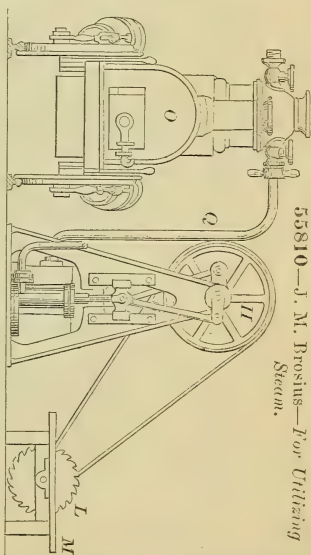
55805—W. W. Beach, M. D.—Roofs of Buildings.



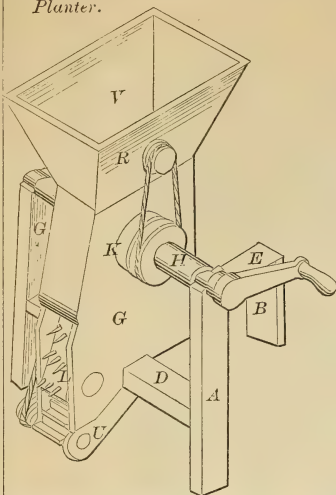
55809—J. W. Blodgett—Stump  
Extractor.



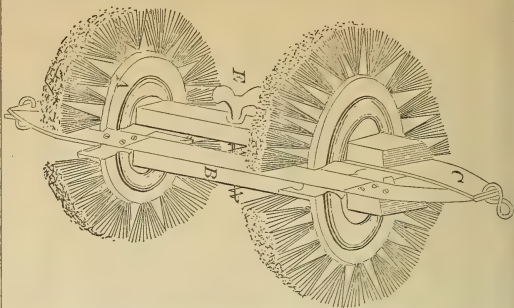
55810—J. M. Brosius—For Utilizing  
Steam.



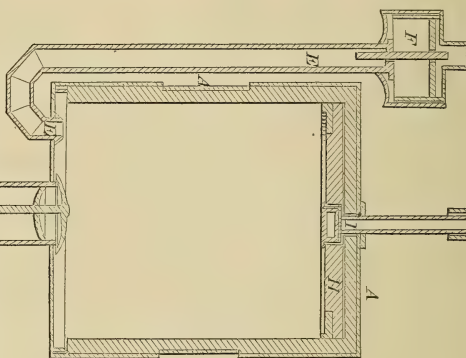
55811—F. H. Brown—*Cotton Seed Planter.*



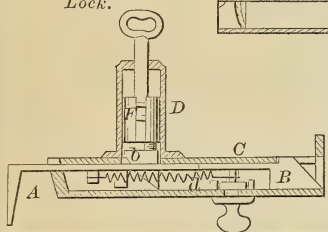
55815—C. H. Bush—*Brush for Boiler Flues.*



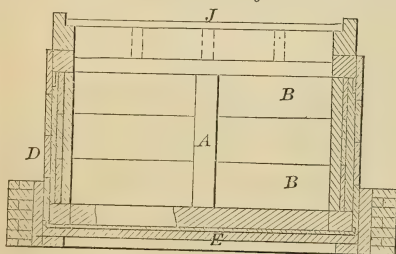
55816—W. H. Butler—*Water Elevator.*



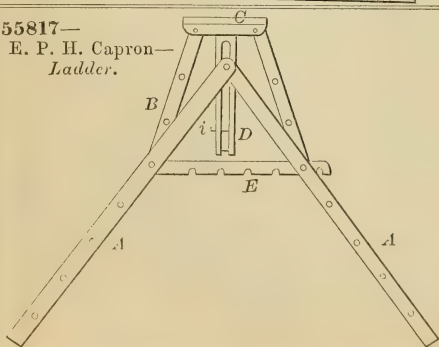
55814—  
H. & S. W. Budd—*Lock.*



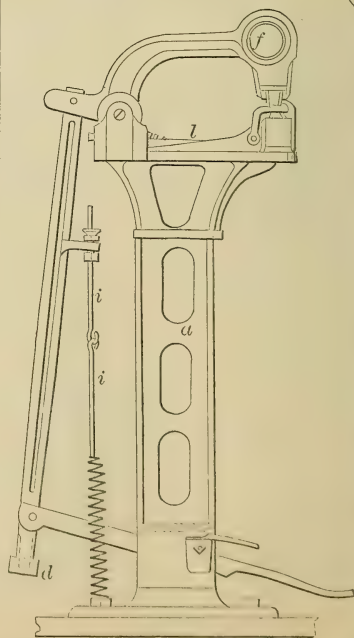
55812—D. Bruce—*Constructing Vacuum Vessels.*



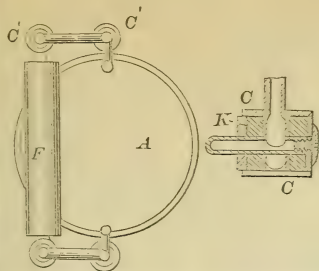
55817—  
E. P. H. Capron—*Ladder.*



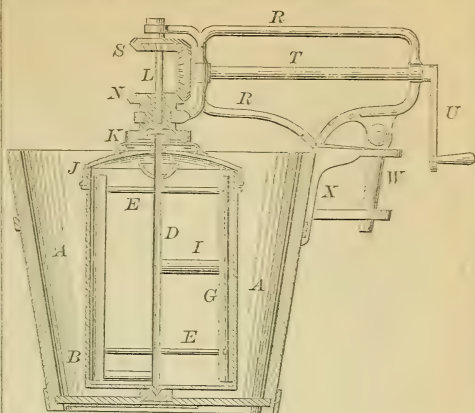
55813—J. T. Bruen—*Hammer for Bending Couplings.*



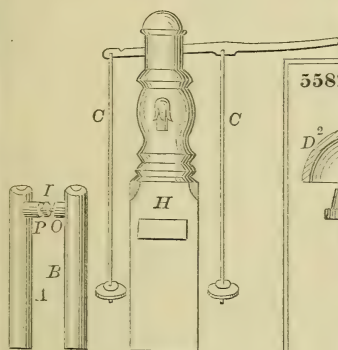
55819—F. Chalfant—*Water Indicator for Steam Generators.*



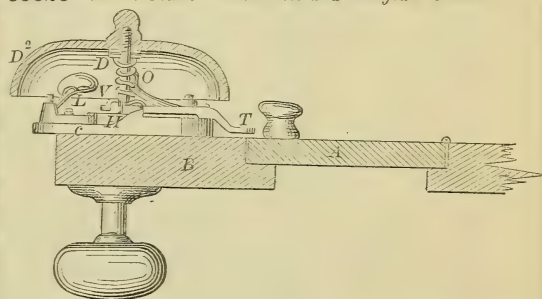
55820—J. R. Champlin—*Cream Freezer.*



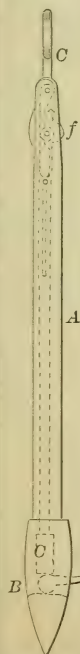
55821—R. Cochran—*Pump.*



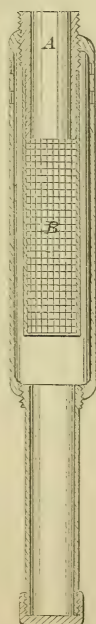
55823—E. H. Crane—*Door Bell and Burglar Alarm.*



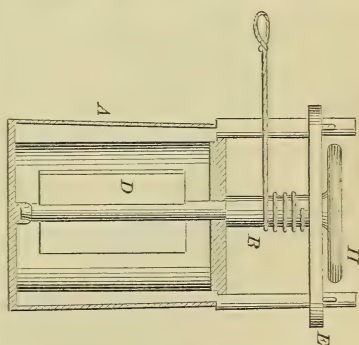
55824—T. C. Craven—*Horse Hay Fork.*



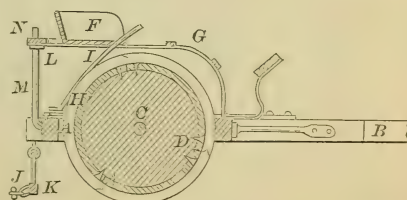
55822—R. Cornelius—*Pump.*



55825—F. J. Crissey—*Churn.*

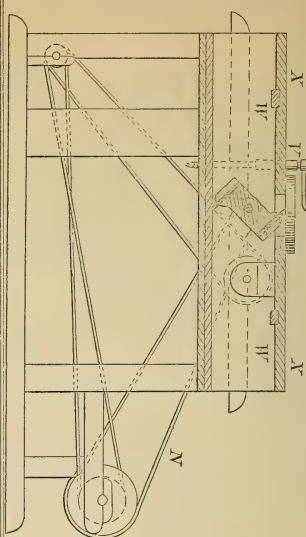


55826—J. Custer—*Cultivator.*

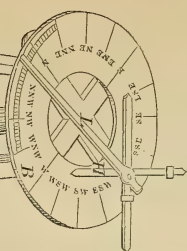




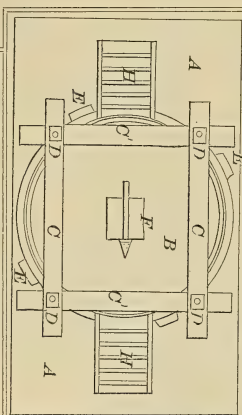
55833—T. Dickinson—Machine for Planing Mouldings.



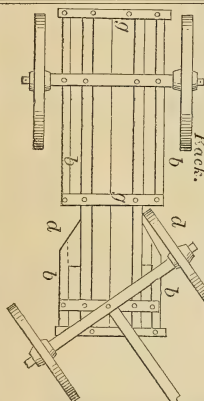
55827—S. Custer—Marine Compass.



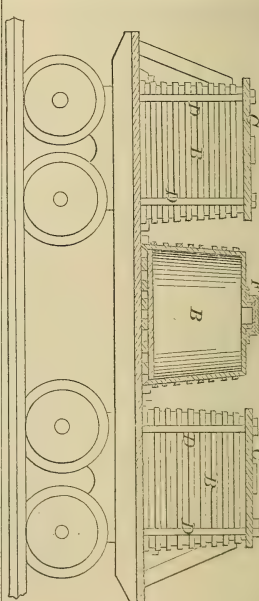
55830—Densmore &amp; Yost—Petroleum Car.



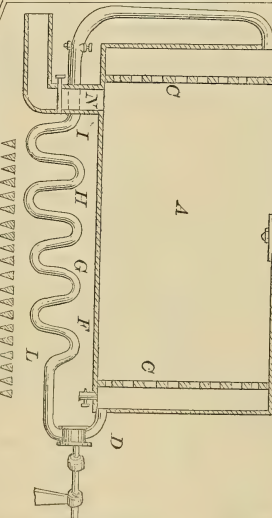
55829—D. Bennett—Hay Pack.



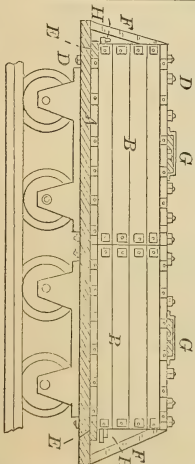
55831—Densmore &amp; Yost—Car for Transporting Petroleum.



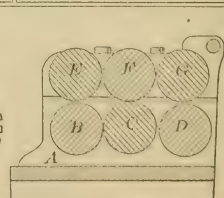
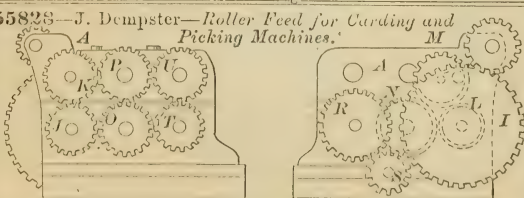
55834—J. W. Dixon—Machine for Making Paper Pulp for Bleaching, &amp;c.



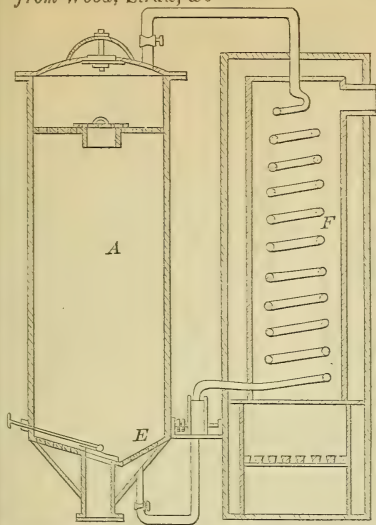
55832—Densmore &amp; Yost—Petroleum Car.



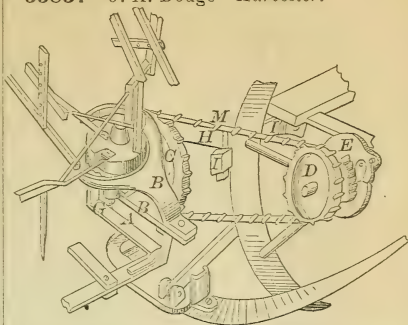
55828—J. Dempster—Roller Feed for Carding and Picking Machines.



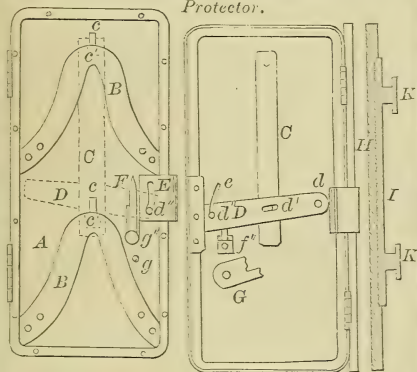
55835—J. W. Dixon—*Making Paper Pulp from Wood, Straw, &c*



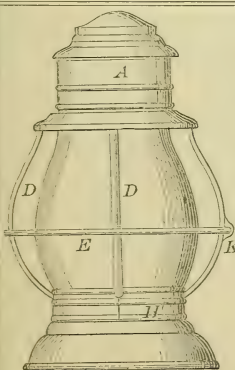
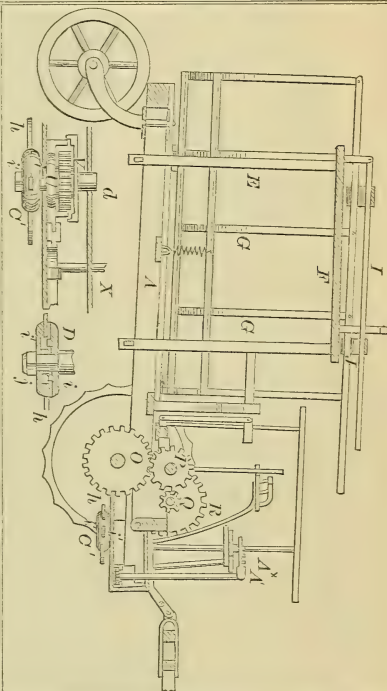
55837—J. A. Dodge—*Harvester.*



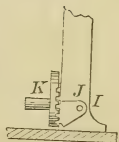
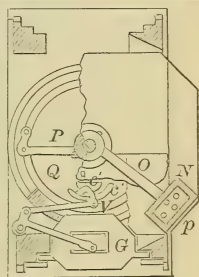
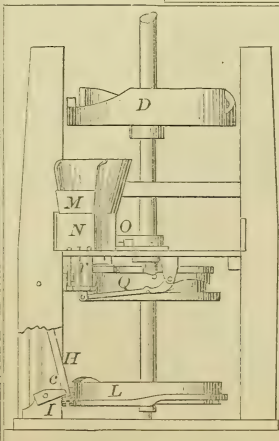
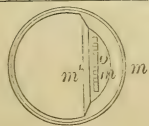
55838—A. Drummond—*Pocket Book Protector.*



55840—Dyson & Macquenn—*Corn Harvester.*

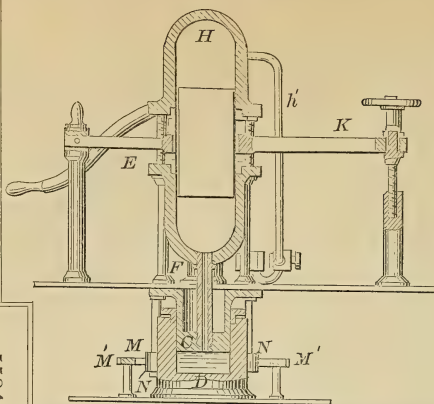


55839—A. M. Duhon—*Lantern.*



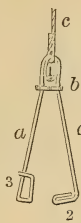
55841—J. S. Elliott—*Brick Machine.*

55844—Fox &amp; Herthel—Draw Bridge.

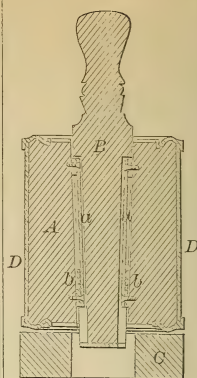


55843—Essex &amp; Johnson—Dress

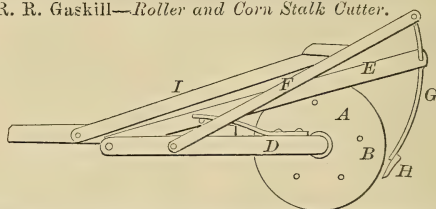
Elevator



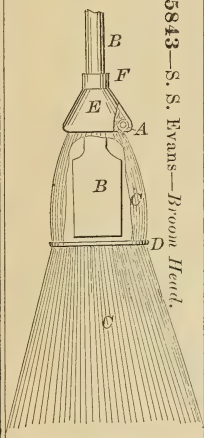
55845—J. M. Francis—Making Tin Fruit Cans.



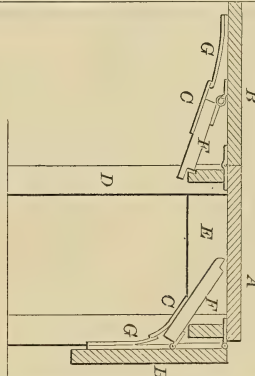
55848—R. R. Gaskill—Roller and Corn Stalk Cutter.



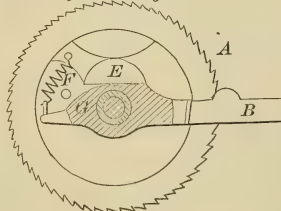
55843—S. S. Evans—Broom Head.



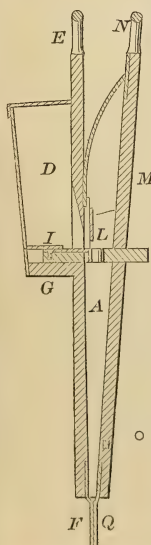
55846—G. Fyfe—Table Leaf Support.



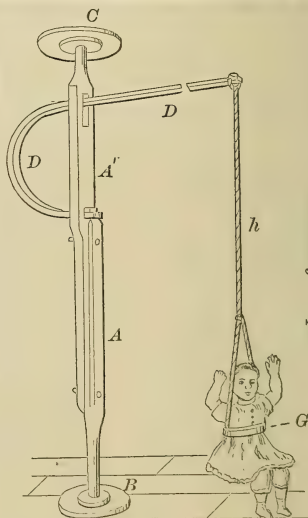
55847—A. Galleth—Feeding Wheel for Sewing Machines.



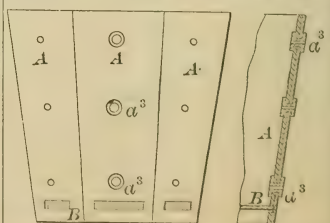
55850—W. Gilbert—Hand Corn Planter.



55849—W. Gibson—Baby Jumper.

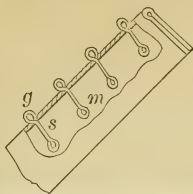


55851—I. C. Gleason—Fruit Basket

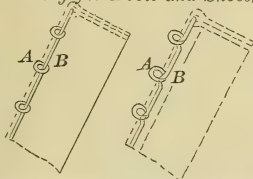




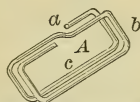
**55852**—C. Goodyear, Jr.—  
*Lacing for Boots and Shoes.*



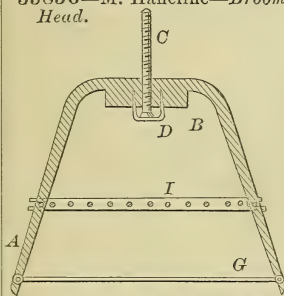
**55853**—C. Goodyear, Jr.—  
*Lacing for Boots and Shoes.*



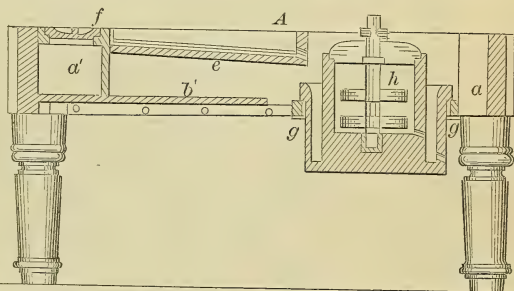
**55854**—Gunning & Meyer—  
*Buckle.*



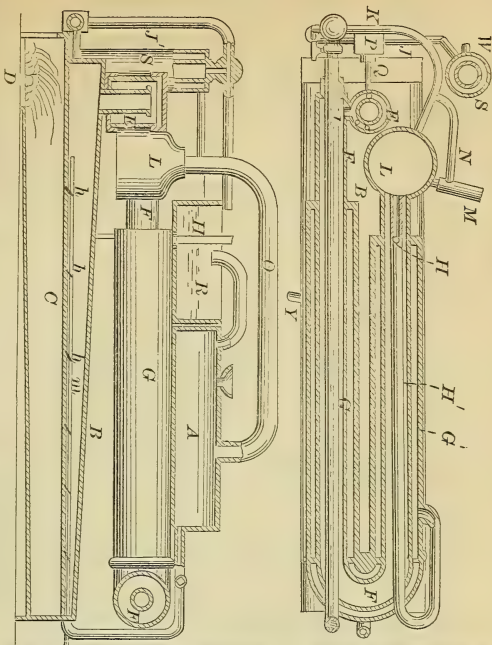
**55856**—M. Haneline—*Broom Head.*



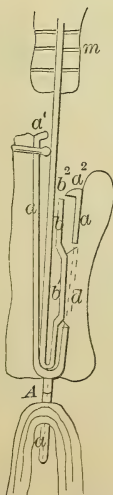
**55857**—W. H. Hart—*Butter Worker.*



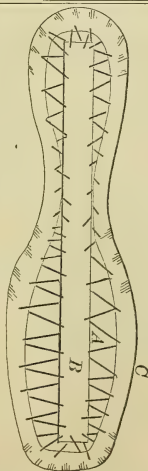
**55855**—C. H. Hall—*Distilling Petroleum.*



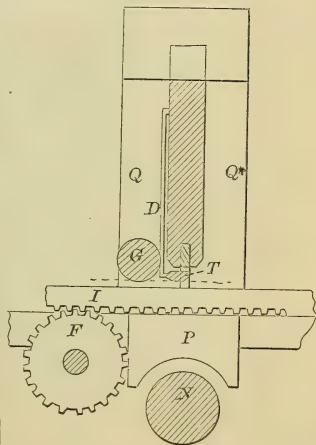
**55859**—J. G. Hitchcock—*Neck Tie Fastening.*

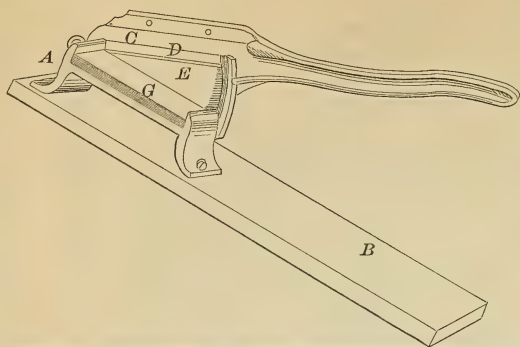
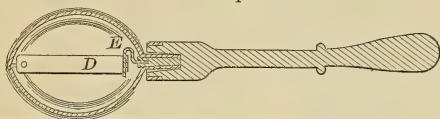
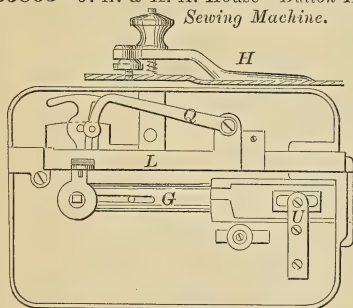
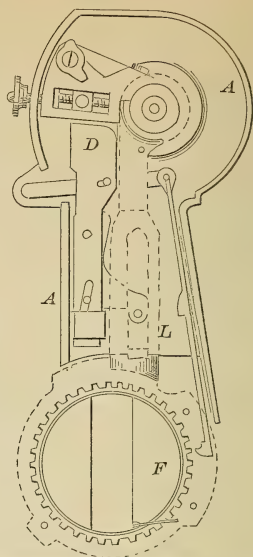
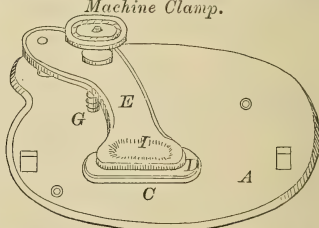
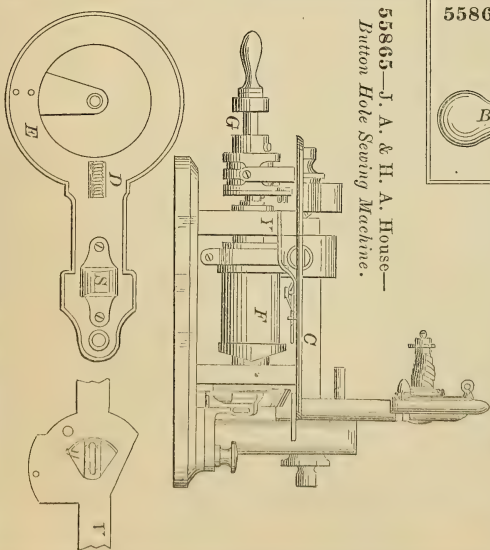
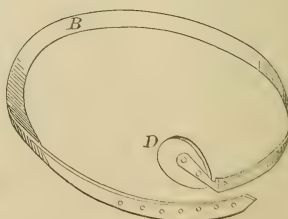


**55858**—G. Hawkes—*Manufacture of Boots and Shoes.*

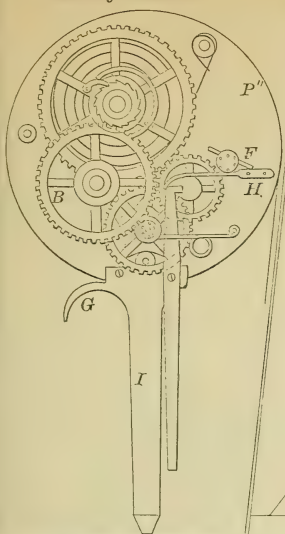


**55860**—A. D. Hoffman—*For Cutting Fly Nets.*

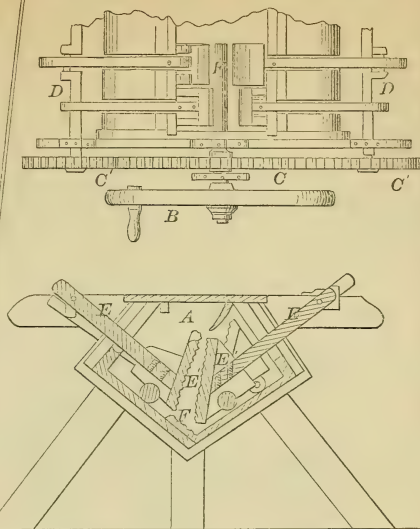


55861—E. Holmes—*Tobacco Cutting Machine.*55862—B. F. Horn—*Lamp Cleaner.*55863—J. A. & H. A. House—*Button Hole Sewing Machine.*55864—J. A. & H. A. House—*Button Hole Sewing Machine.*55866—J. A. & H. A. House—*Sewing Machine Clamp.*55867—M. V. B. Howe—*Knife and Scissors Sharpener.*55865—J. A. & H. A. House—*Button Hole Sewing Machine.*55868—N. W. Hubbard—*Truss.*

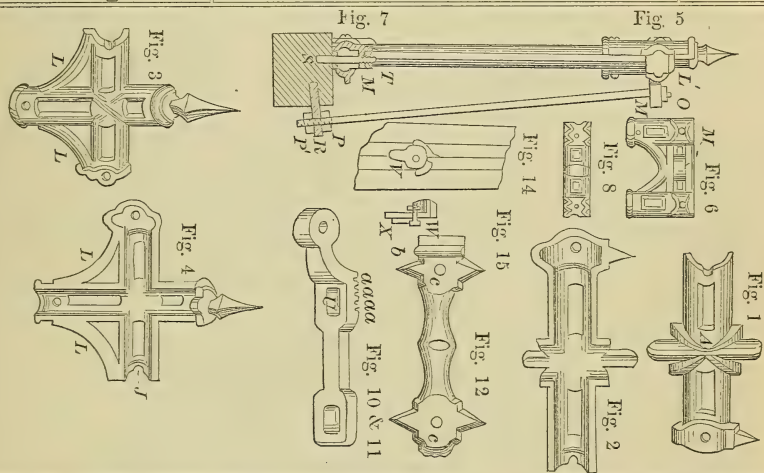
55869—S. Huffman—*For Making Patterns.*



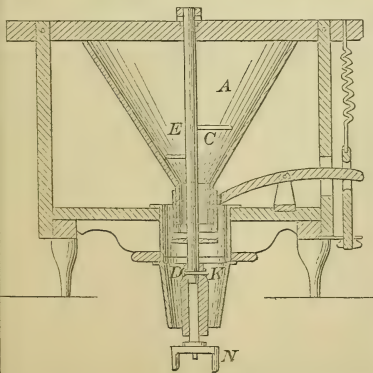
55873—A. Irion—*Washing Machine.*



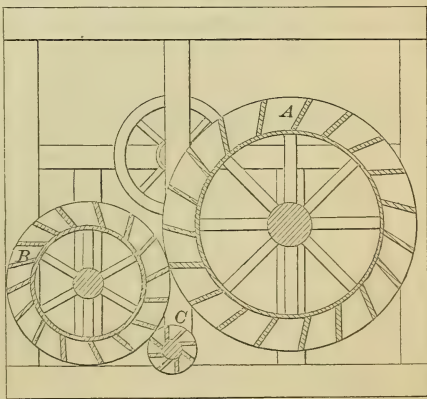
55870—II. Hughes—Car Coupling.

55874—T. E. King—*Fence.*

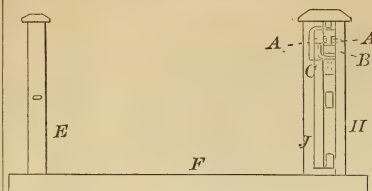
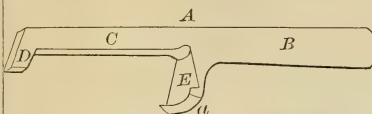
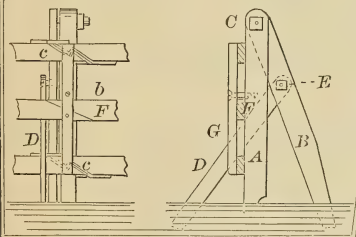
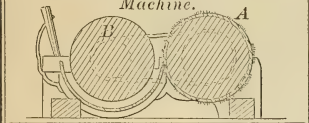
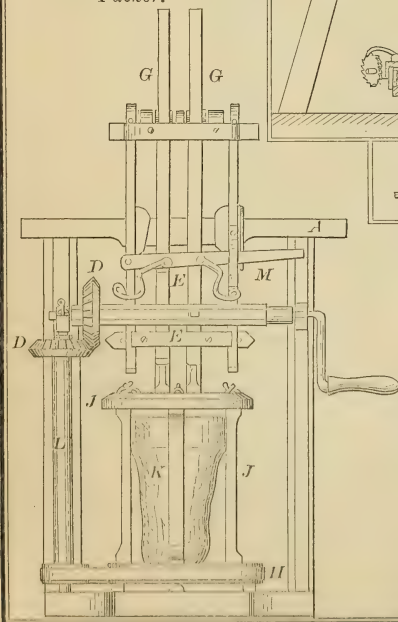
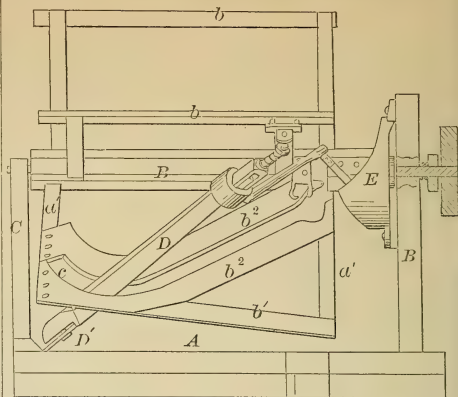
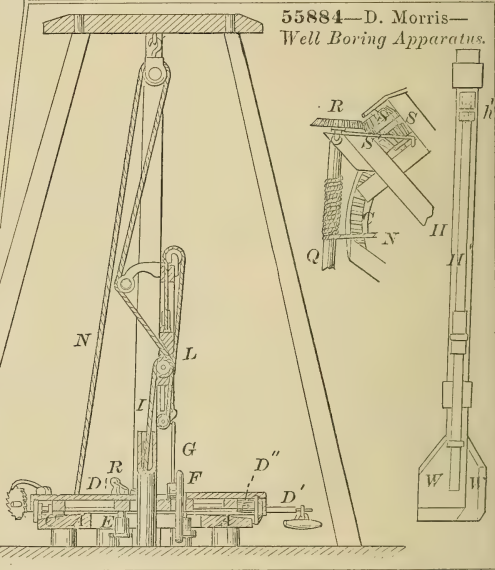
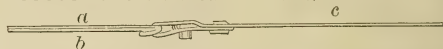
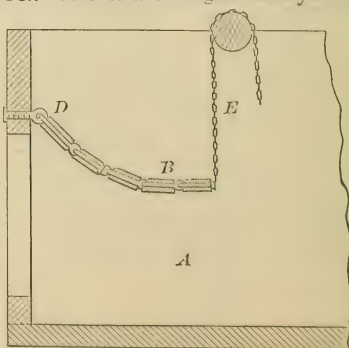
55872—J. Hutchison—*Grinding Mill.*



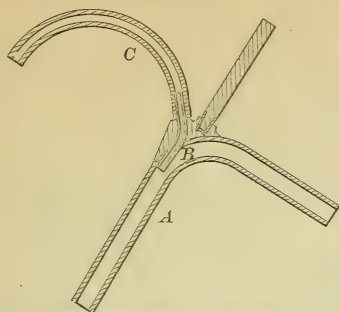
55875—L. Kratzer—*Water Wheel*.



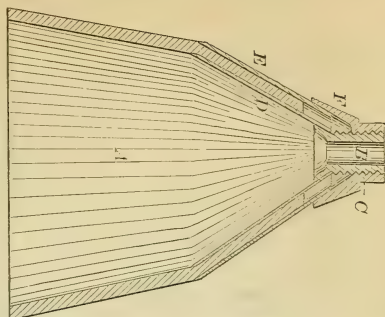


55876—J. Lee—*Farm Gate.*55878—O. J. Livermore—*Can Opener.*55883—S. H. Mitchell—*Fence.*55881—J. McDonald—*Carding Machine.*55885—J. Musser—*Flour Packer.*55877—E. J. Leyburn—*Harvester Rake.*55884—D. Morris—*Well Boring Apparatus.*55879—Locke & Heuser—*Label.*55882—Mecker & Cortright—*Gate for Forebay.*

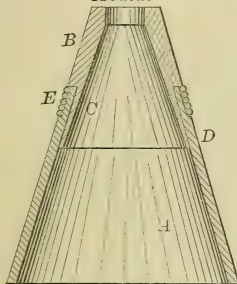
55886—G. Nebeker—*Agitating and Heating Apparatus.*



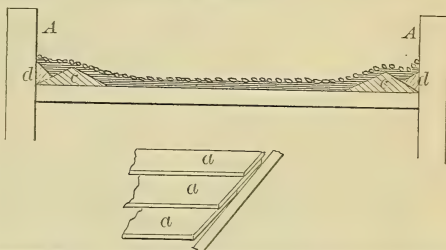
55888—F. Nishwitz—*Sugar Mould Typ.*



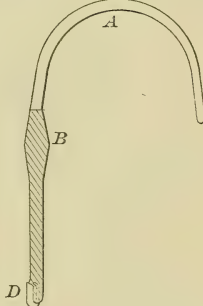
55887—F. Nishwitz—*Sugar Mould.*



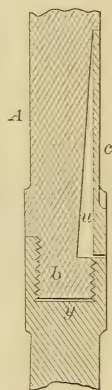
55891—R. Norwood—*Roofing.*



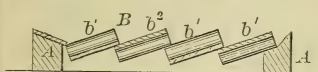
55892—A. S. Ogden—*Carbon Battery Connection.*



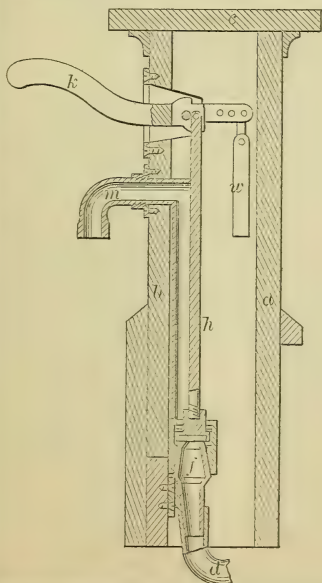
55895—E. E. & C. T. Packer—*Drill Coupling.*



55890—E. D. Norton—*Mill Sieve.*



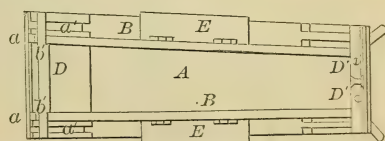
55893—J. Old—*Hydrant.*



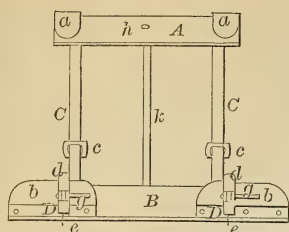
55894—J. Old—*Lifter for Stove Covers.*



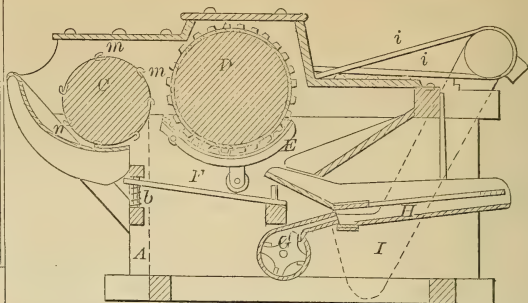
55896—L. Page—*Sheep Rack and Holder.*



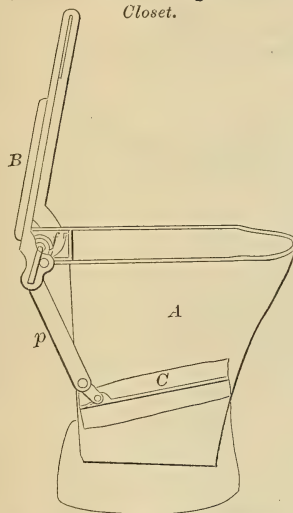
55897—O. B. Parker—*Book Holder.*



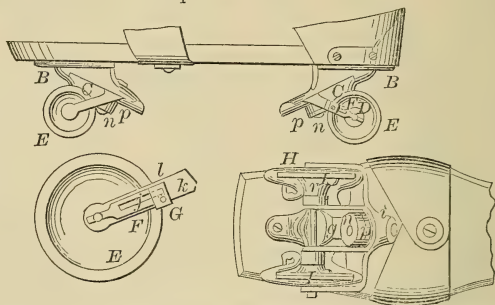
55899—B. P. Pendexter—*Corn Sheller and Bean Thresher.*



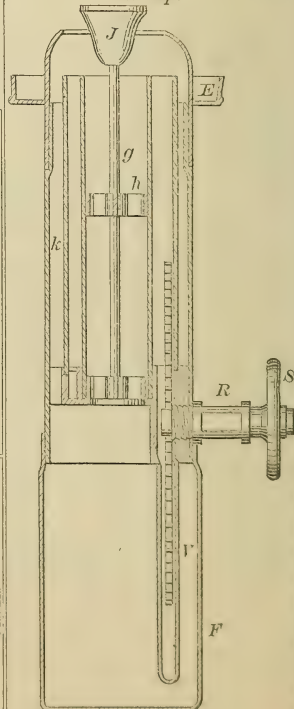
55900—B. Pickering—*Water Closet.*



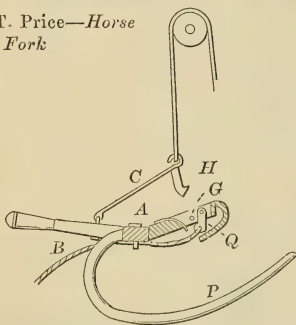
55901—J. L. Plimpton—*Skate.*



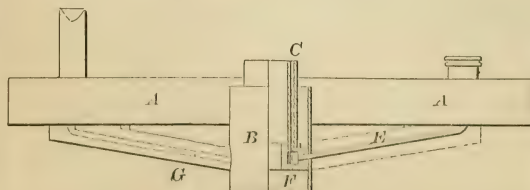
55903—J. Radley—*Locomotive Lamp.*



55902—I. T. Price—*Horse Hay Fork.*

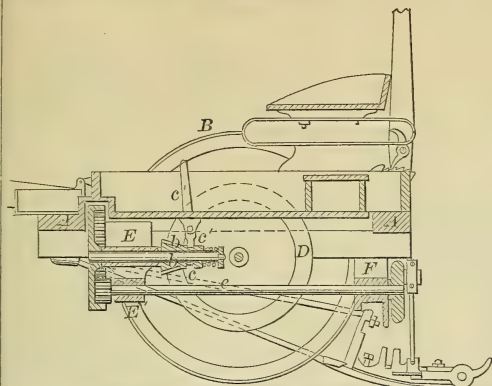


55904—J. Radley—*Engine Head Light.*

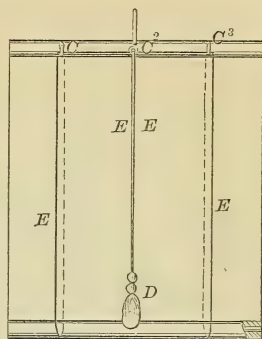




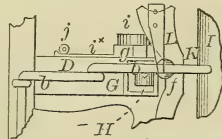
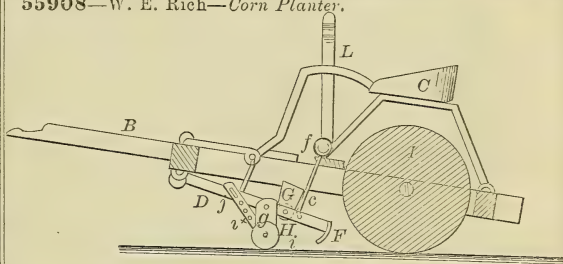
55905—A. Rank—Mowing Machine.



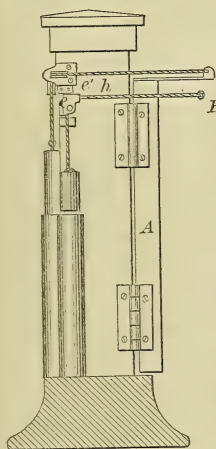
55907—H. Read—Window Shade.



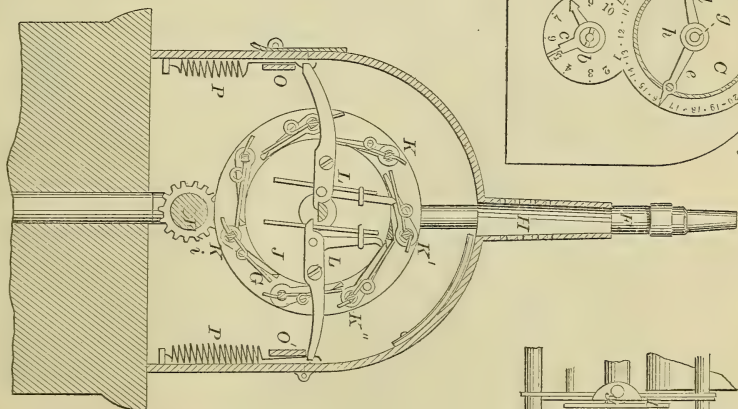
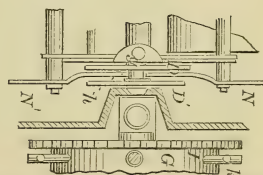
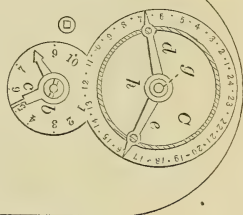
55908—W. E. Rich—Corn Planter.

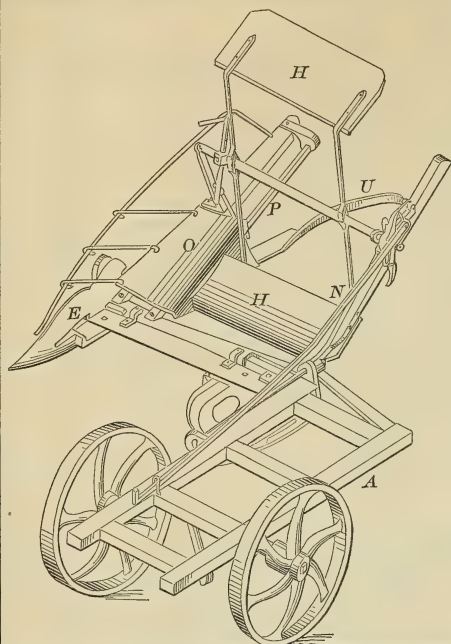
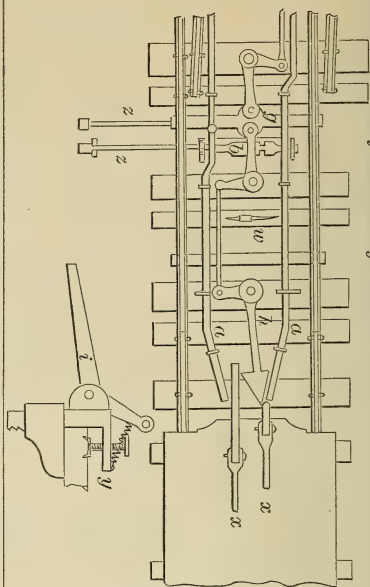
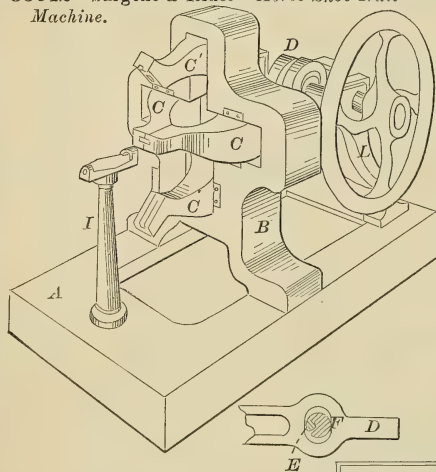
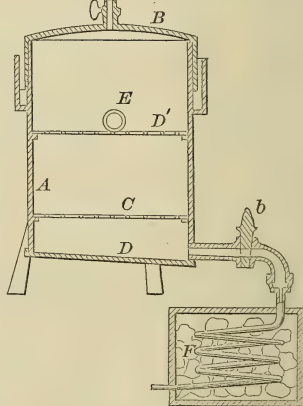
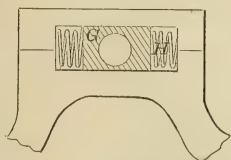
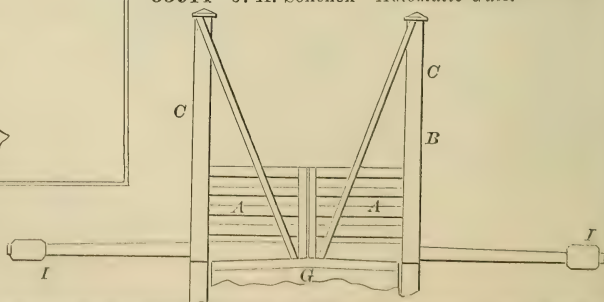


55906—Raymond & Miller—Fence Gate.

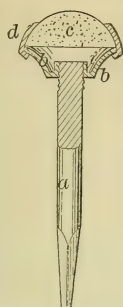


55909—H. S. Richardson—Gas Lighting Machine.

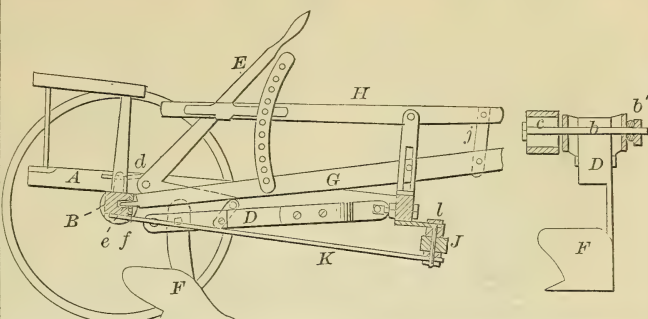


55910—E. P. Russell—*Reaping Machine.*55913—C. H. Sawyer—*Railway Switch.*55912—Sargent & Rider—*Horse Shoe Nail Machine.*55915—J. Schneider—*For Producing Extract of Hops.*55914—J. H. Schenck—*Automatic Gate.*

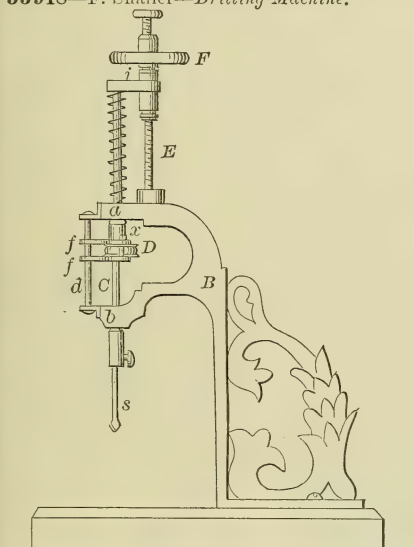
55917—F. J. Seymour—Picture Nail.



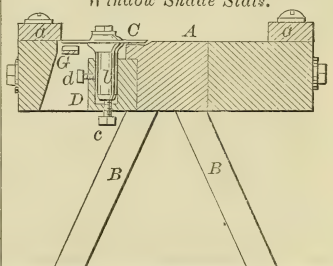
55921—J. D. Smith—Gang Plow.



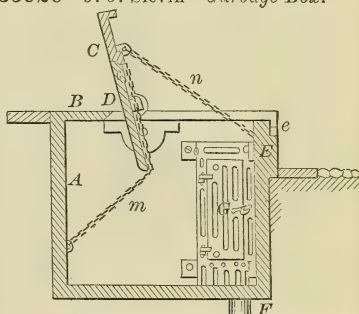
55918—F. Shaller—Drilling Machine.



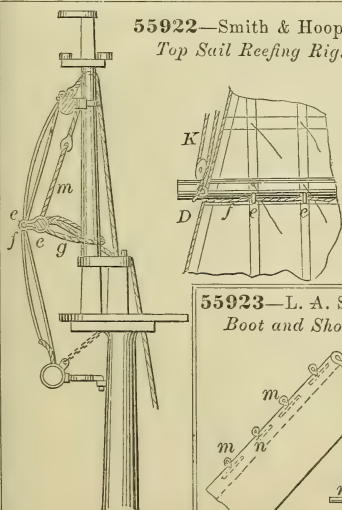
55919—P. P. Simmons—For Cutting Window Shade Slats.



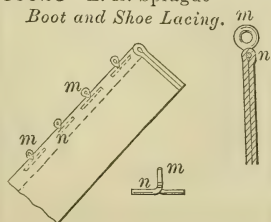
55920—J. J. Slevin—Garbage Box.



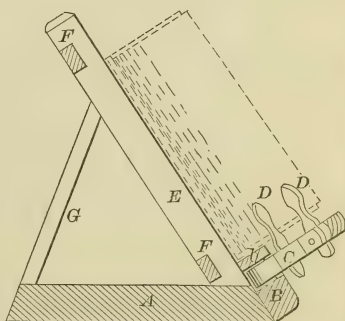
55922—Smith & Hooper—  
Top Sail Reefing Rig.



55923—L. A. Sprague—  
Boot and Shoe Lacing.

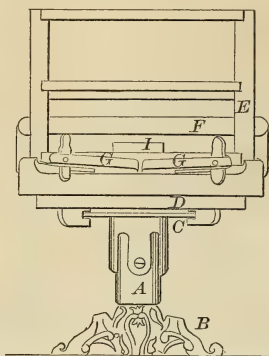


55924—D. I. Stagg—Book Holder.

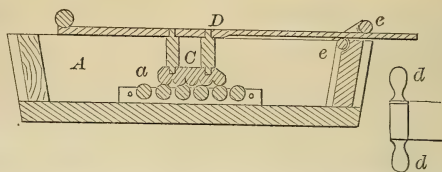




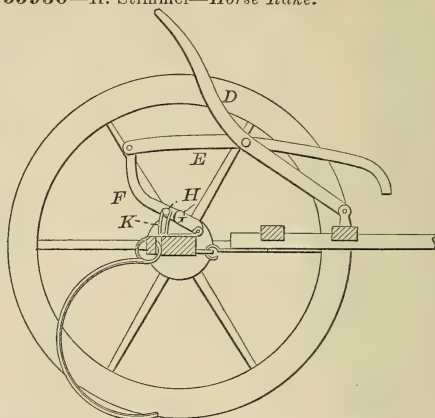
55925—D. I. Staggs—*Stand, Desk, and Book Holder.*



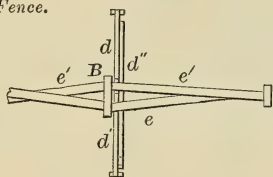
55928—H. H. Staples—*Washing Machine.*



55930—H. Stimmel—*Horse Rake.*

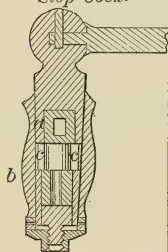


55926—J. K. Staman—*Portable Fence.*

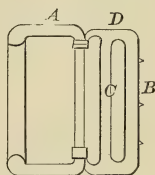


55927—M. Stannard—*Sewing Machine Needle.*

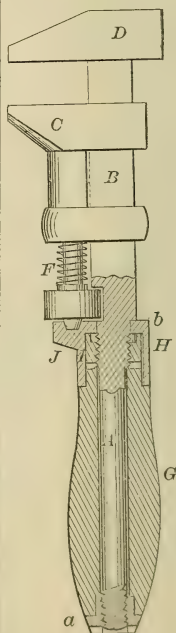
55931—H. Strater, Jr.—*Stop Cock.*



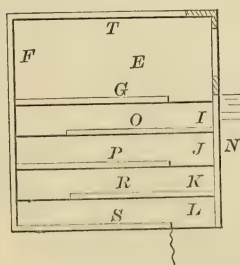
55933—D. S. Thompson—*Buckle.*



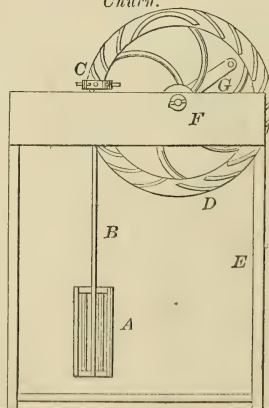
55932—G. C. Taft—*Wrench.*



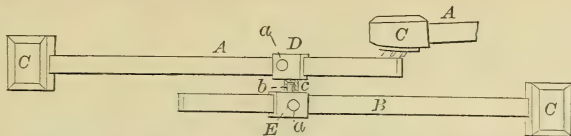
55929—D. Steck—*Fish Way.*



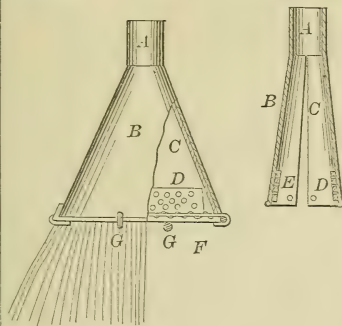
55934—Tillou & Shumway—*Churn.*



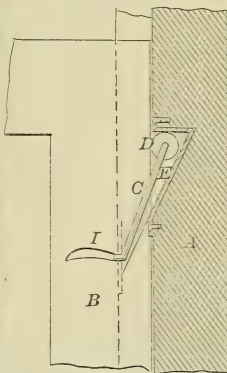
55935—E. W. Twing—Carpet Stretcher.



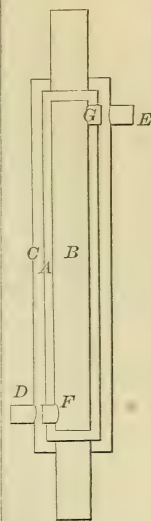
55936—J. Wasson—Broom Head.



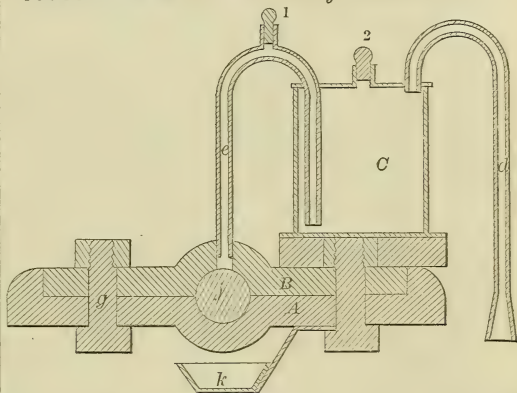
55940—M. V. B. White—Sash Supporter.



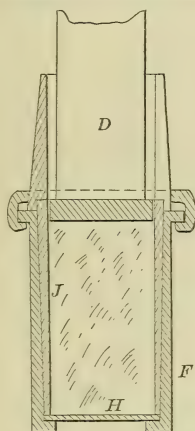
55939—H. A. Whitaker—Stove Pipe Drum.



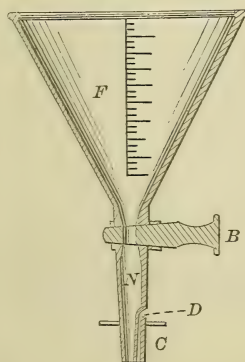
55938—J. E. Weaver—For Oiling Journals.



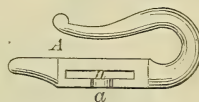
55937—W. H. Watson—Tobacco Press.



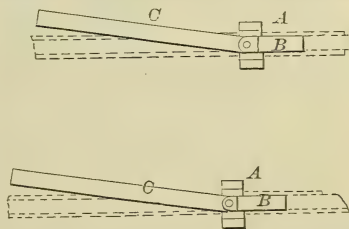
55941—A. H. Whitney—Measuring Funnel.



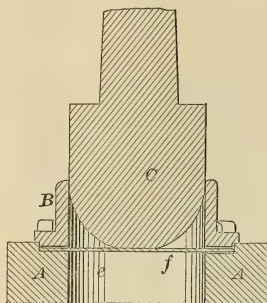
55942—J. J. Wilkins—Harness Hook



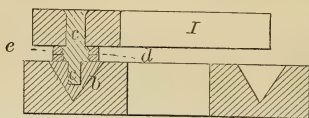
55943—J. A. Williamson—Railroad Switch.



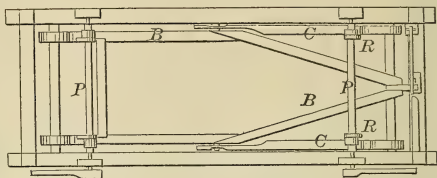
**55944**—S. R. Wilmot—*Die for Raising Articles of Metal.*



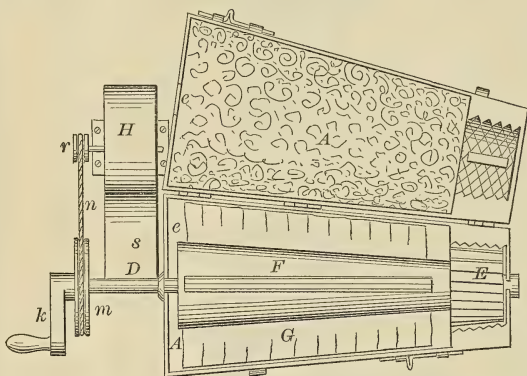
**55945**—B. F. Young—*Boring Machine.*



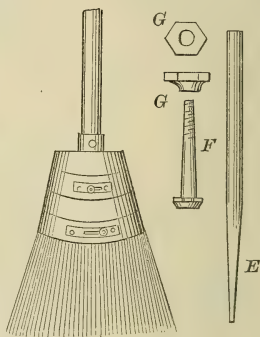
**55946**—J. H. Zinn—*Weighing Cars.*



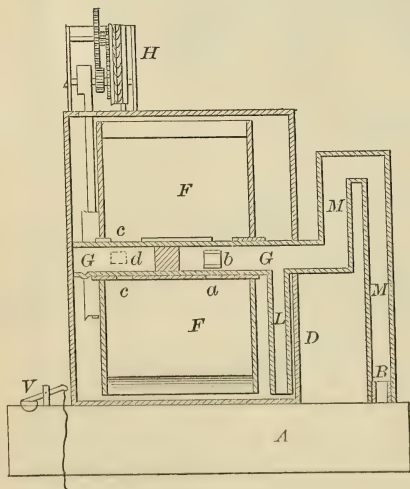
**55947**—R. Anderson—*Coffee Hulling Machine.*



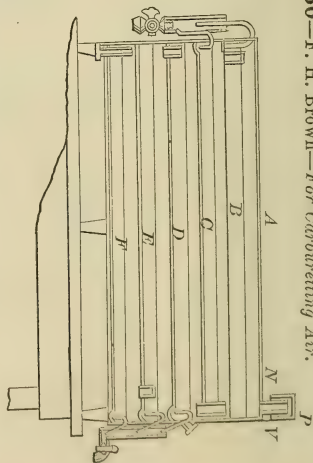
**55948**—J. D. M. Armbrust—*Broom Head.*



**55949**—F. H. Brown—*For Carburetting Air.*

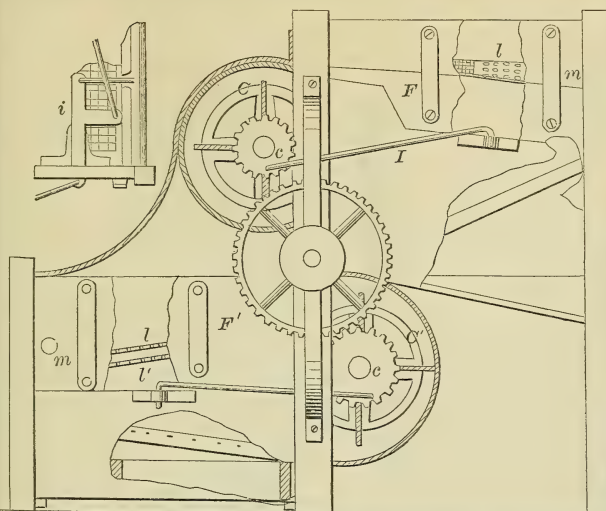


**55950**—F. H. Brown—*For Carburetting Air.*

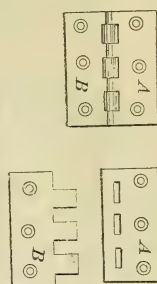




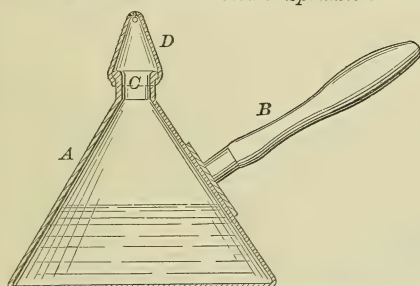
55952—J. Green—Grain Separator.



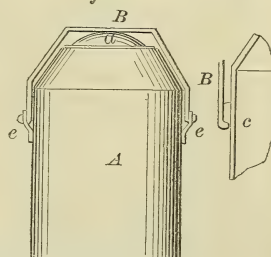
55954—J. C. Hyde—Butt Hinge.



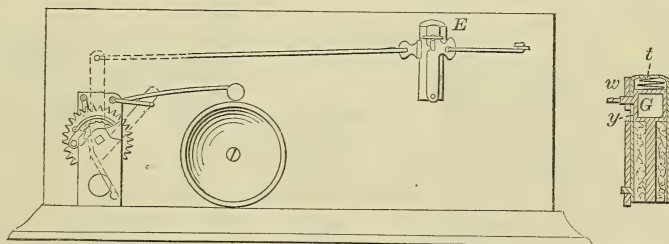
55956—J. L. Kendall—Clothes Sprinkler.



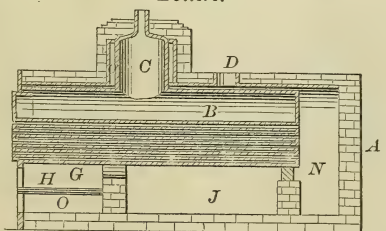
55953—G. H. Hammer—Fastening for Fruit Cans.



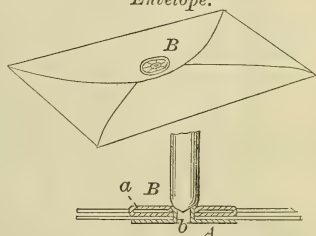
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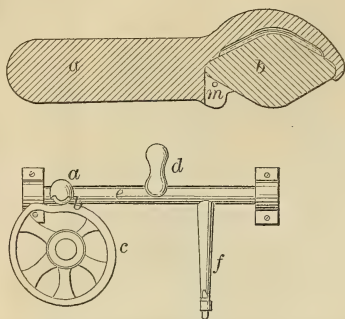
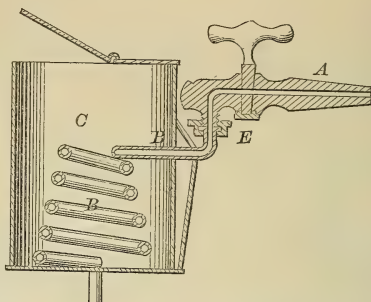
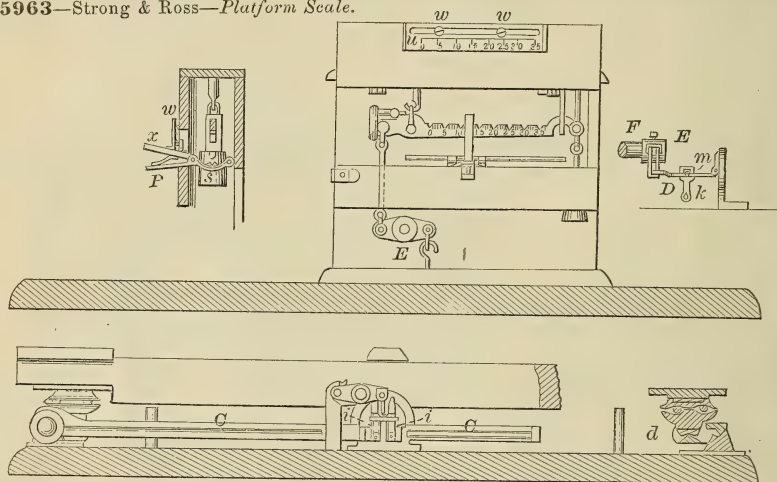
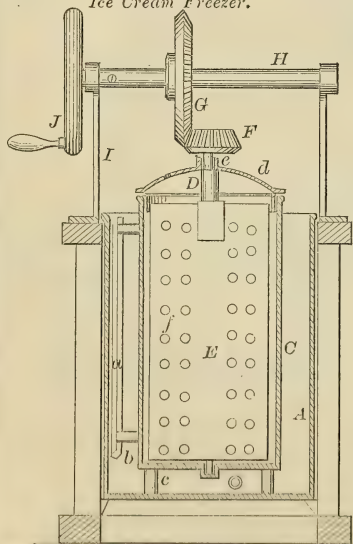
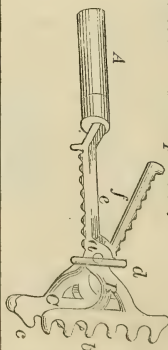
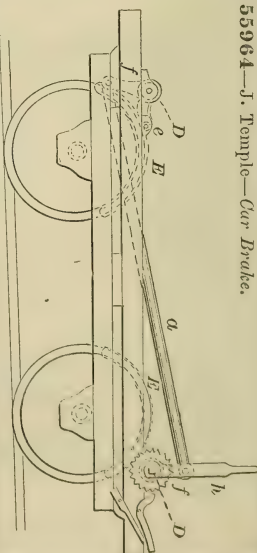


55958—C. S. Nelson—Setting Stationary Steam Boilers.

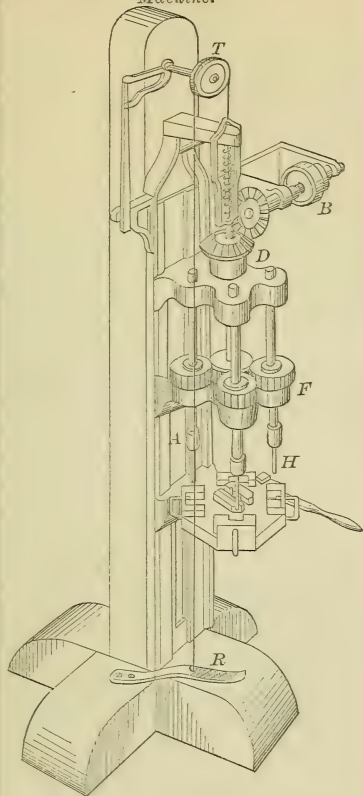


55955—R. S. Jennings—Metallic Seal Envelope.

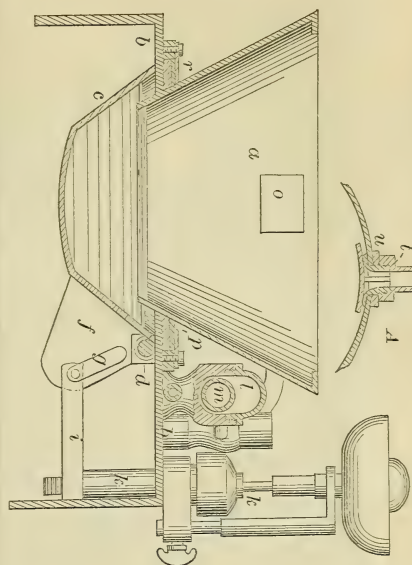


55959—G. W. Patterson—*Picker Arm for Looms.*55962—J. R. B. Schwarze—*Liquid Cooler.*55963—Strong & Ross—*Platform Scale.*55960—T. W. Pomeroy—*Churn and Ice Cream Freezer.*55961—L. C. Rodier—*Mop Head.*55964—J. Temple—*Car Brake.*

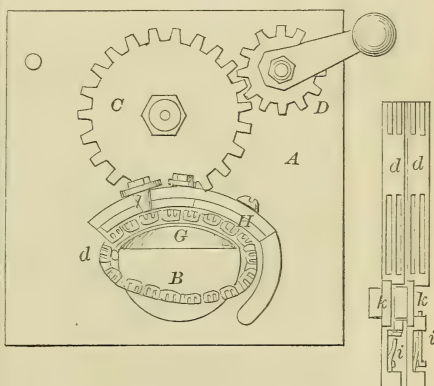
55965—F. Votteler—Nut Tapping Machine.



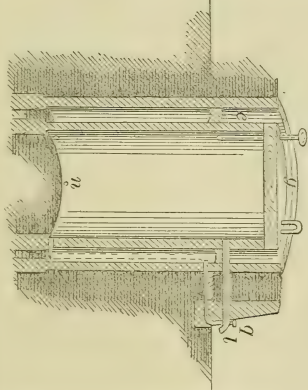
55967—D. Wellington—Water Closet.



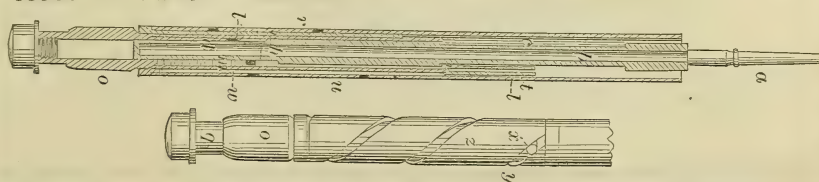
55968—H. L. Williams—Knitting Machine.



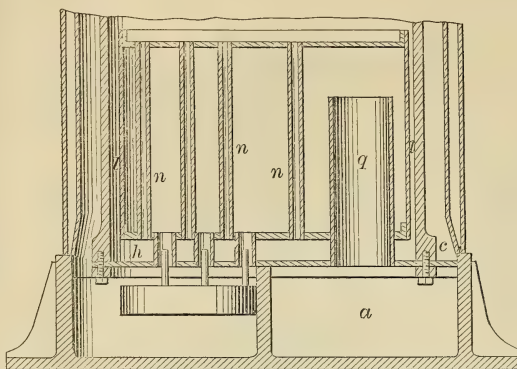
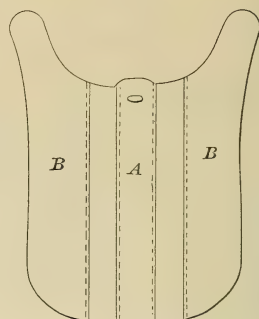
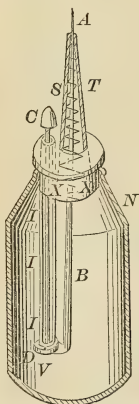
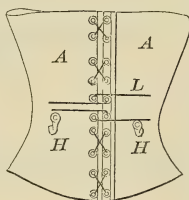
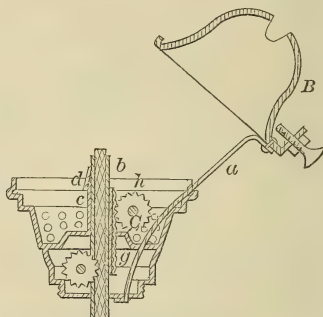
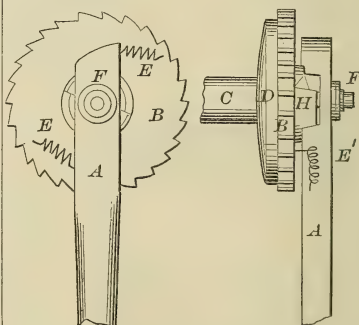
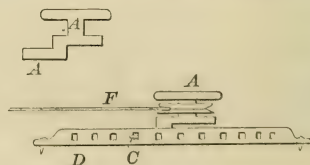
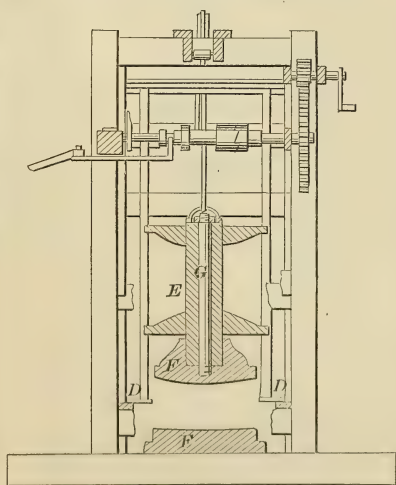
55970—P. Jaccovence—Petroleum Tank.



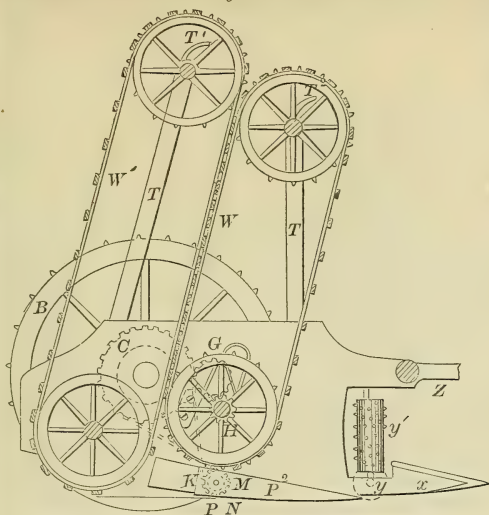
55966—D. T. Warren—Pencil Case.



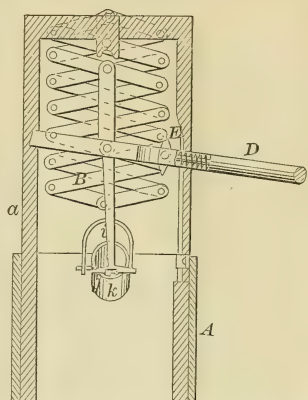


55971—W. Reinlein—*Hot Air Engine.*55974—C. Arnold—*Paper Cloth Bosom.*55975—J. Ashton—*Oil Can.*55972—E. Hambyjer—*Corset.*55973—C. E. Abbott—*Lamp Extinguisher.*55977—A. S. Babbit—*Water Elevator.*55978—H. O. Baker—*Curtain Fixture.*55976—J. Aughe—*Drop Hammer.*

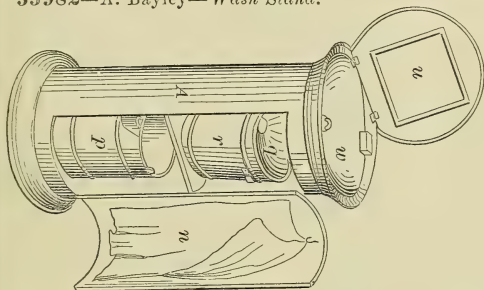
55979—H. Baker—*Hay Raker and Loader.*



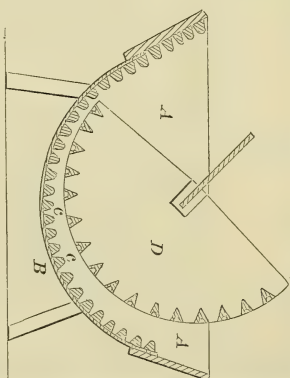
55980—J. C. Barrett—*Water Elevator.*



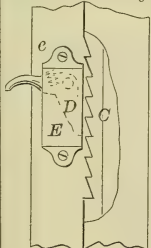
55982—A. Bayley—*Wash Stand.*



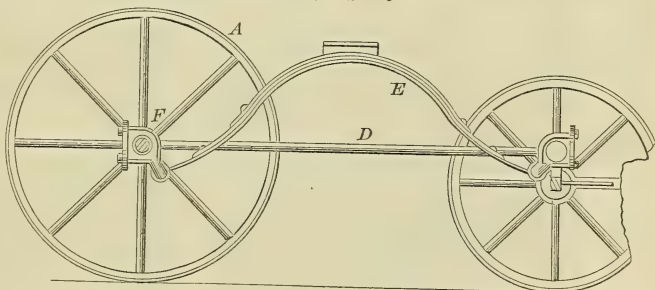
55986—O. D. Beebe—*Washing Machine.*



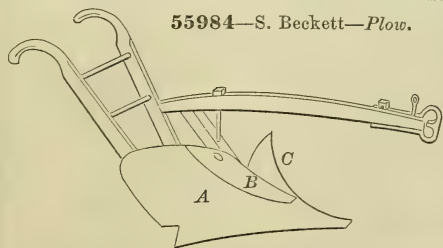
55981—H. De Baun—*Sash Fastening.*



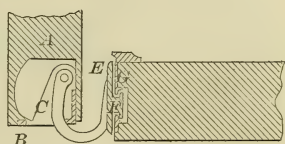
55985—B. M. Beckwith—*Carriage Spring.*



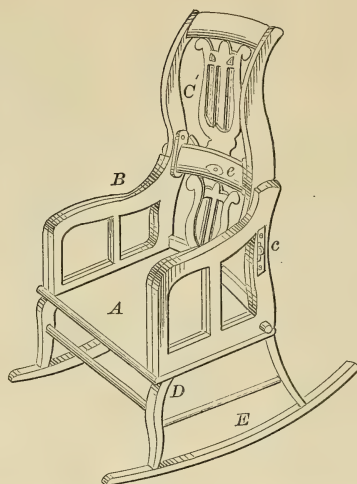
55984—S. Beckett—*Plow.*



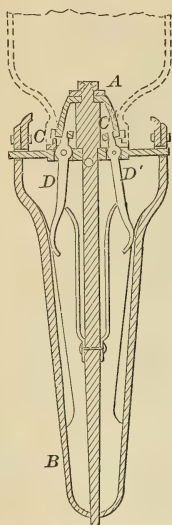
55987—G. W. Beers—*Carriage Hinge.*



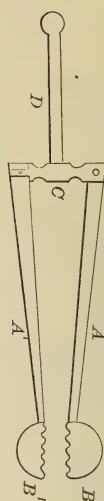
55990—A. Berny—Cradle and Chair.



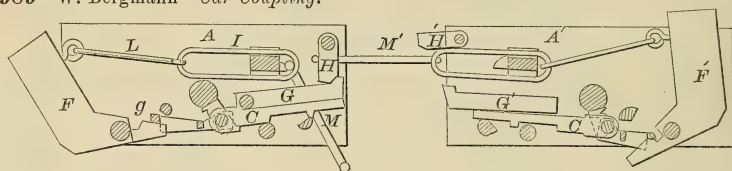
55988—E. Bennett—For Grooving the Mouths of Glass Bottles.



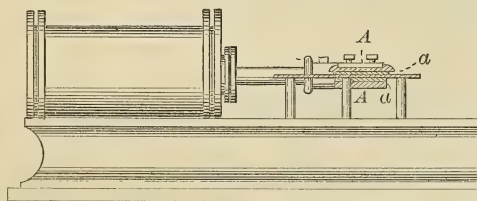
55991—J. T. Bever—Clothes Tong.



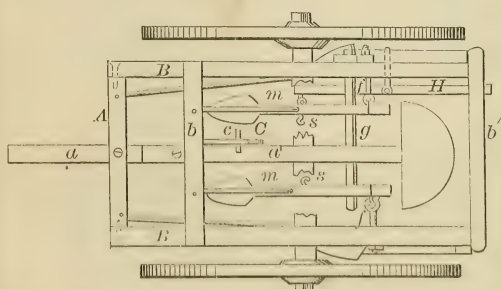
55989—W. Bergmann—Car Coupling.



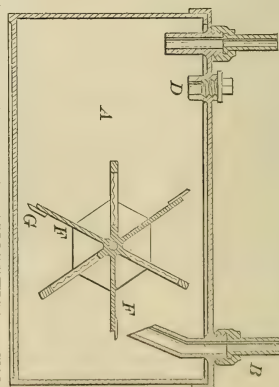
55992—W. R. Bishop—Gib for Cross Heads.



55993—A. M. Black—Cultivator.

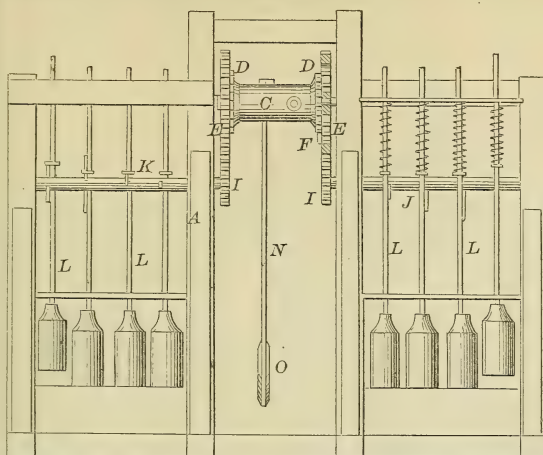


55994—R. C. Boeking—Gas Purifier.

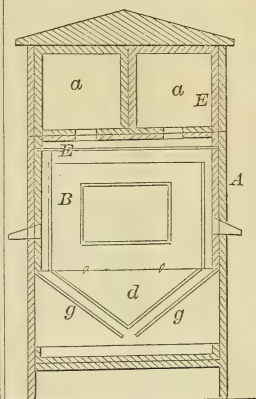




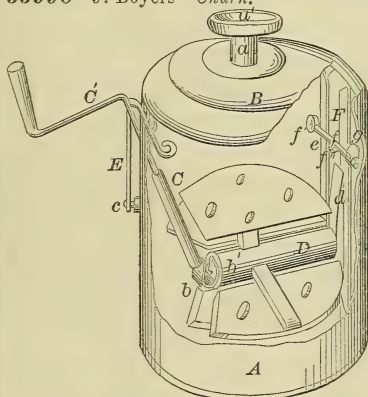
55995—J. T. Bonnell—Quartz Mill.



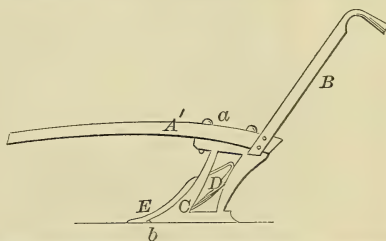
55998—J. Bradt—Beehive.



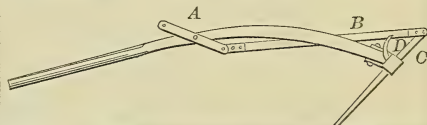
55996—J. Boyers—Churn.



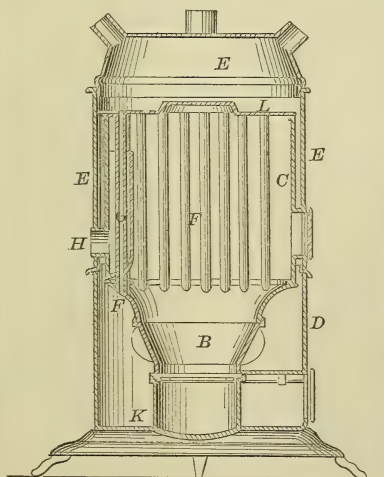
55999—T. E. C. Brimly—Plow.



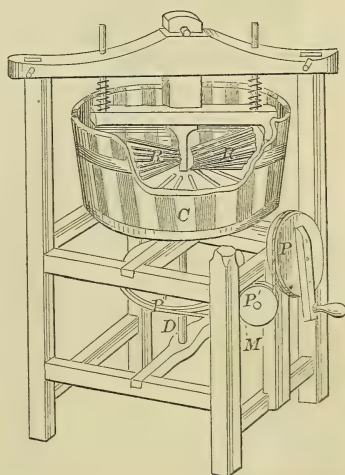
56000—H. Brown—Hay Rake.



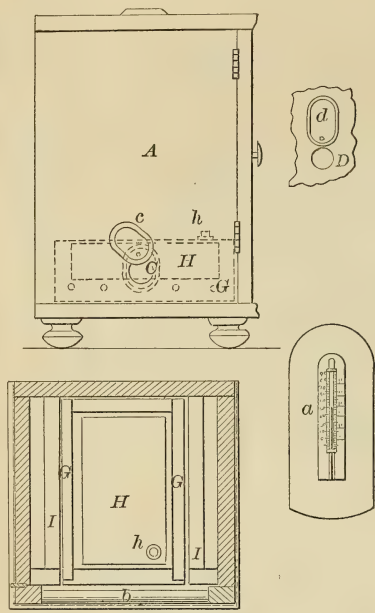
55997—N. A. Boynton—Coal Stove.



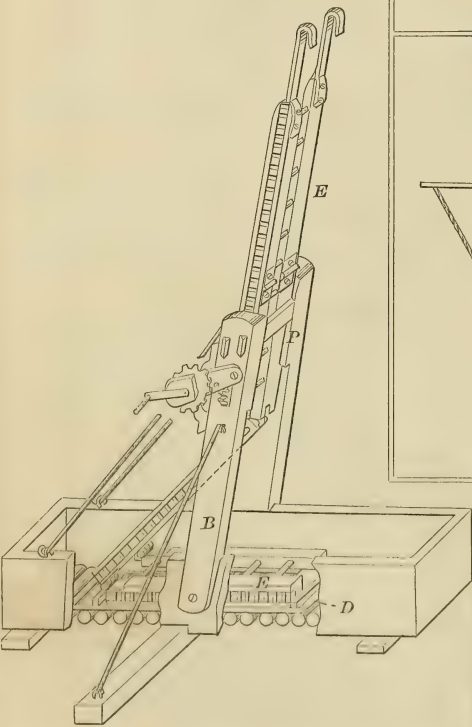
56001—W. Burnham—Washing Machine.



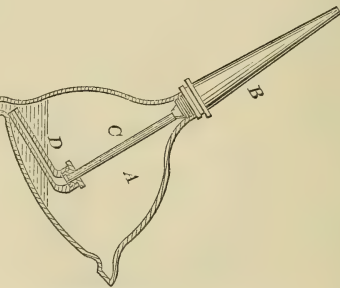
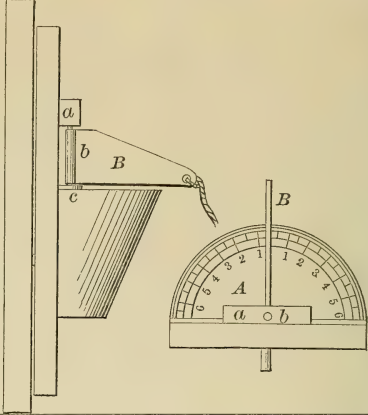
56002—E. Buss—*For Raising Bread.*



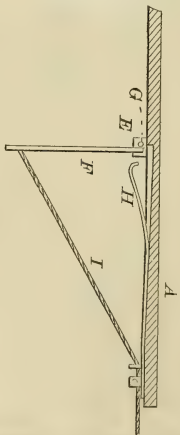
56006—J. A. Chambers—*Fire Escape.*



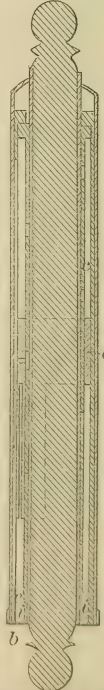
56003—T. Byrne—*Leeway Indicator for Vessels.*



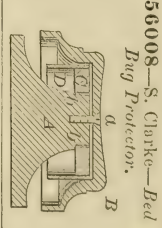
56004—G. J. Capewell—*Oiler.*



56005—L. R. Cavender—*Table Leaf Support.*

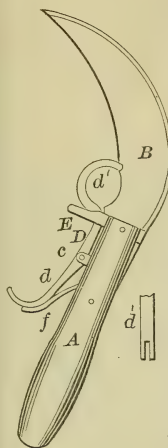


56007—J. M. Clarke—*Pen and Pencil Holder.*

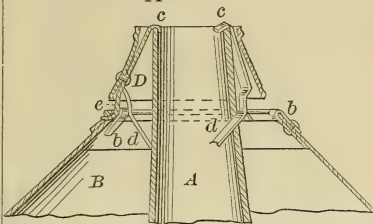


56008—S. Clarke—*Bed Bug Protector.*

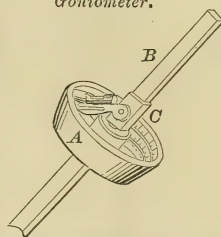
56009—R. Comroe—Combined Cone Stripper and Knife.



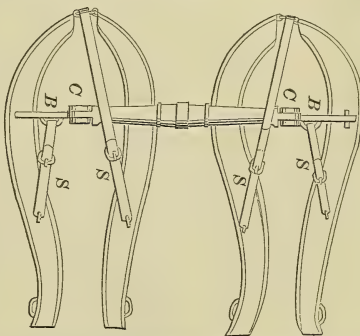
56011—J. H. Connelly—Lamp Shade Supporter.



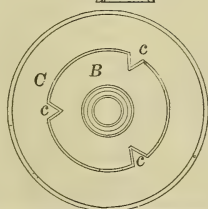
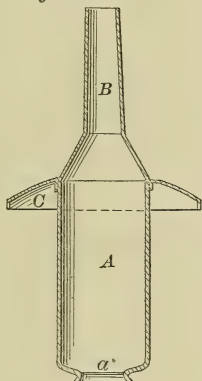
56013—W. W. Cooper—Goniometer.



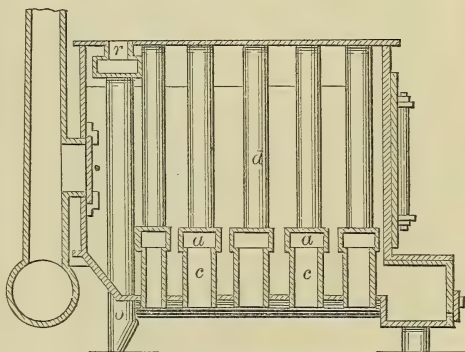
56012—C. W. Conolly—Draft Attachment.



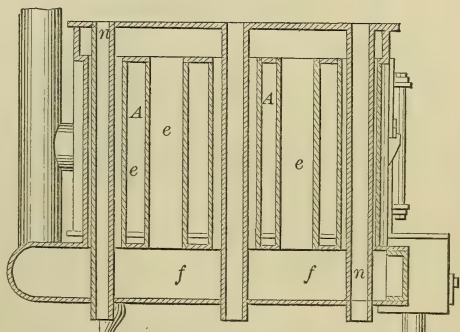
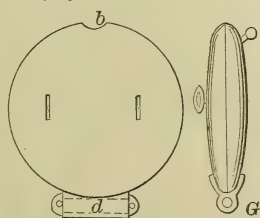
56010—J. H. Connelly—Lamp Chimney and Shade.



56015—D. M. Cummings—Heating Stove.

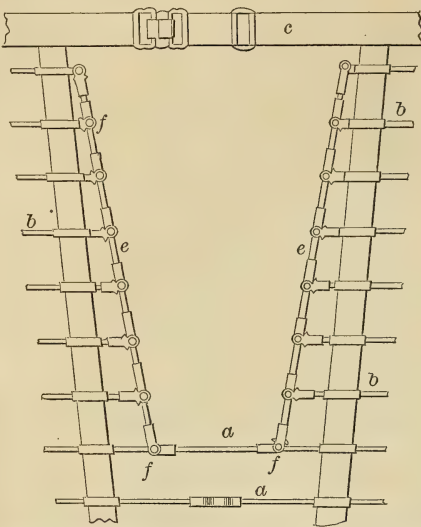


56014—W. W. Covell, Jr.—Safety Watch Pocket.

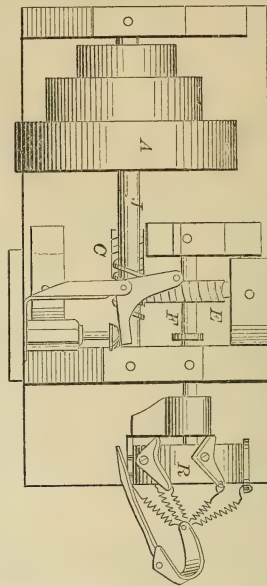




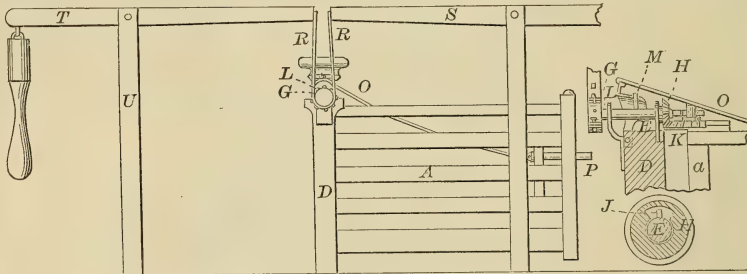
56016—T. D. Day—Hoop Skirt.



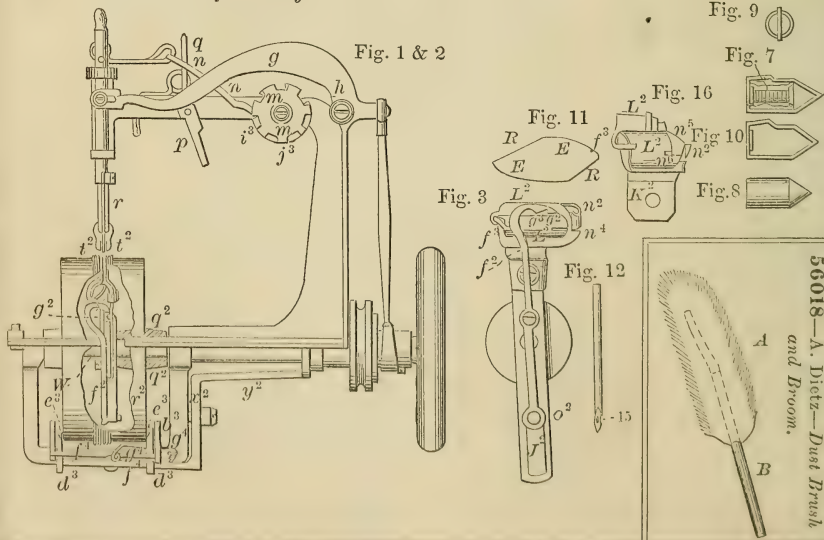
56017—J. Delery—Low Water Detector.



56019—Dixon &amp; Close—Gate.

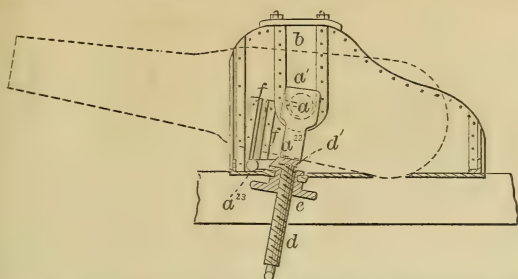


56020—G. L. Dulaney—Sewing Machine.

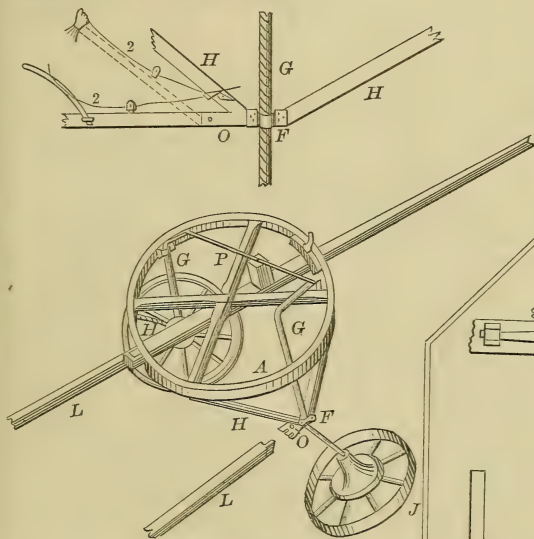


56018—A. Dietz—Dust Brush and Broom.

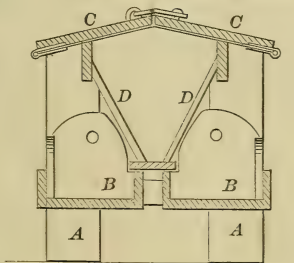
56021—J. B. Eads—*Operating Ordnance.*



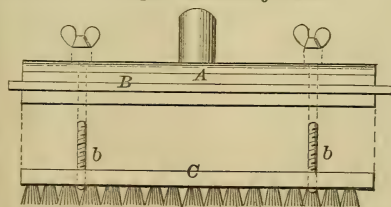
56022—T. E. Ellett—*Cultivator.*



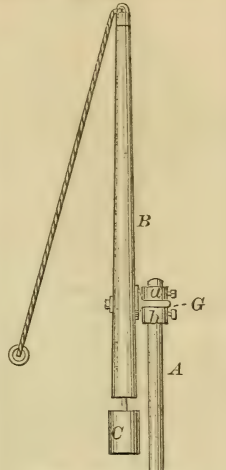
56024—M. S. Every—*Sheep Feeding Rack.*



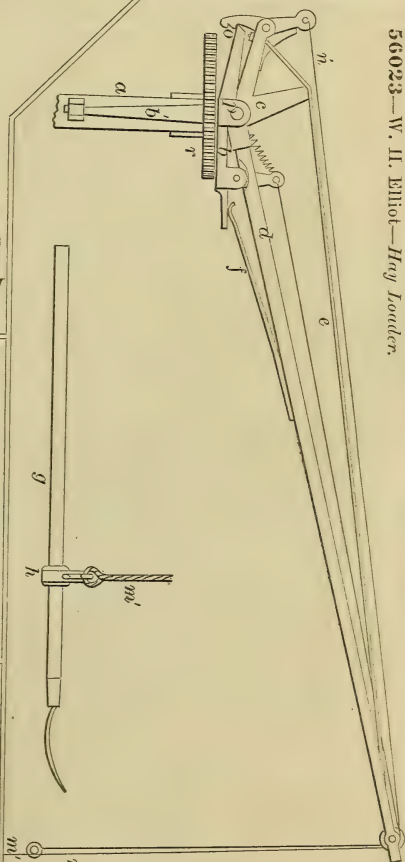
56025—B. Figer—*Scrubbing Brush.*

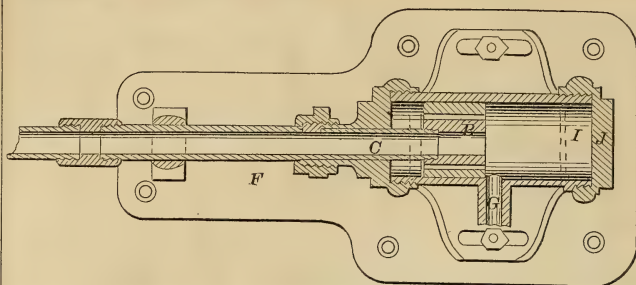
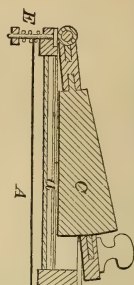
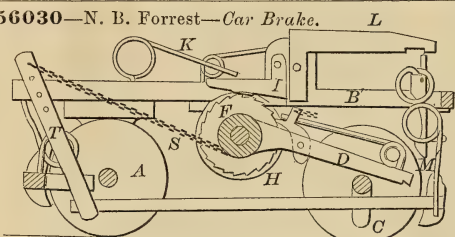
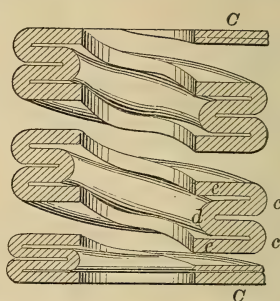
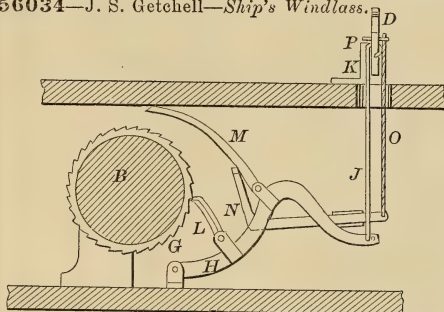
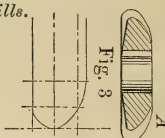
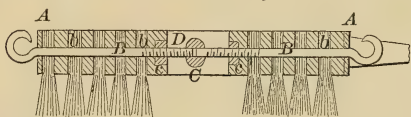
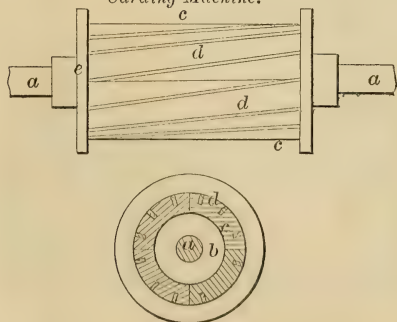
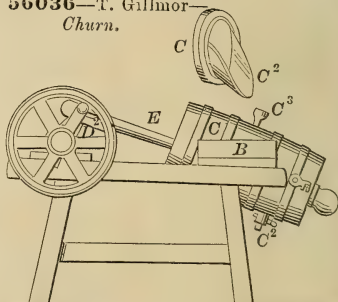
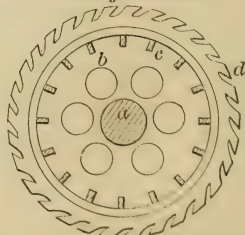


56028—H. L. Folsom—*Tether.*



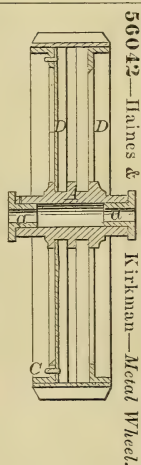
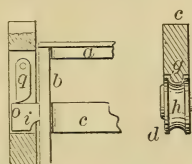
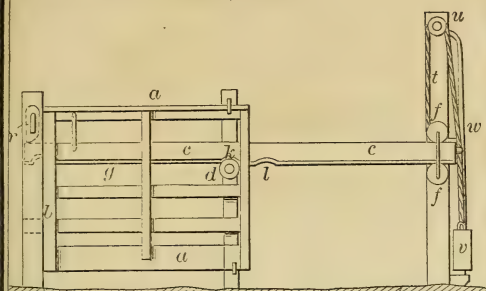
56023—W. H. Elliot—*Hay Loader.*



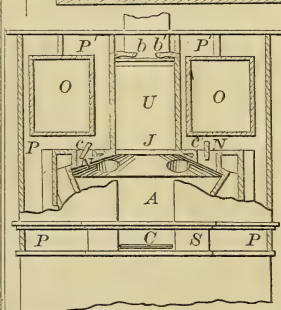
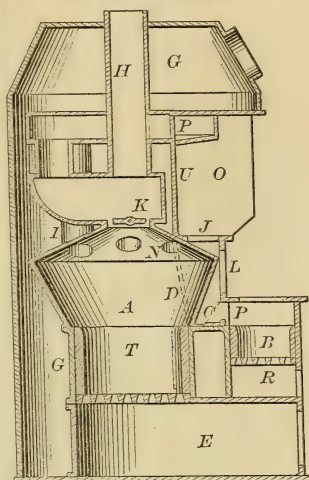
56029—A. M. Force—*Steam Trap.*56031—G. S. Foster—*Washing Machine.*56030—N. B. Forrest—*Car Brake.*56032—C. French—*Car Spring.*56034—J. S. Getchell—*Ship's Windlass.*56033—W. Frost—*For Cutting Twist Drills.*56035—R. P. Gillett—*Scrubbing Brush.*56038—C. L. Goddard—*Wool Burring and Carding Machine.*56036—T. Gillmor—*Churn.*56037—C. L. Goddard—*Wool Burring Machine.*



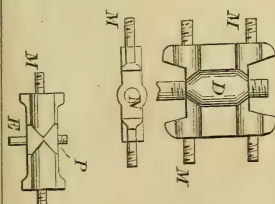
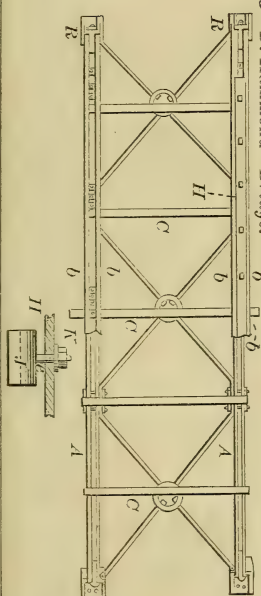
56039—J. H. Graves—*Gate.*



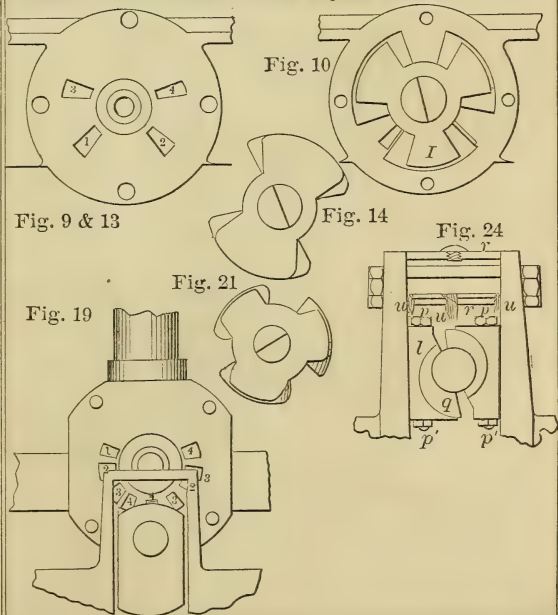
56041—W. A. Greene—*Combined Range and Furnace.*

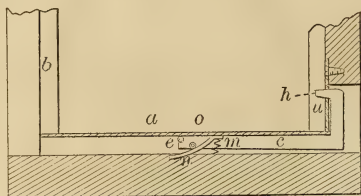
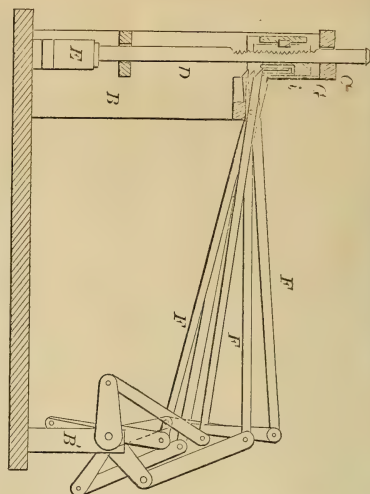
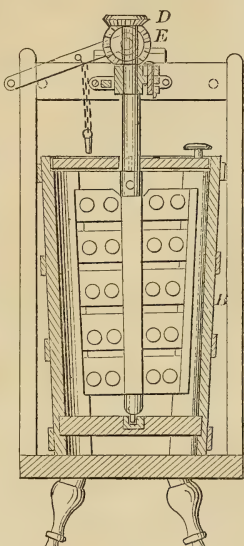
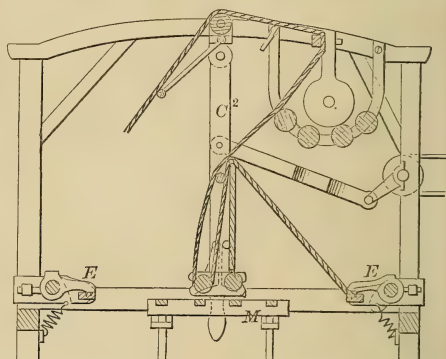
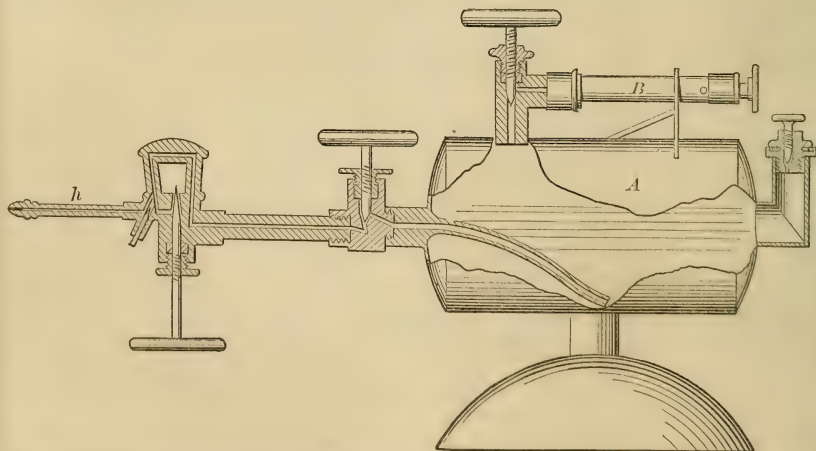


56043—D. Hammond—*Bridge.*

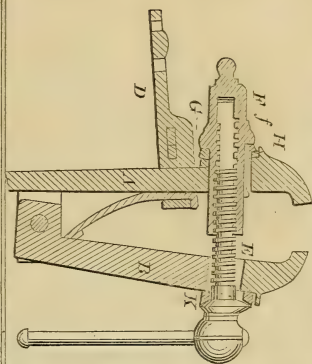


56045—R. F. Hatfield—*Steam Engine, Valve, &c*

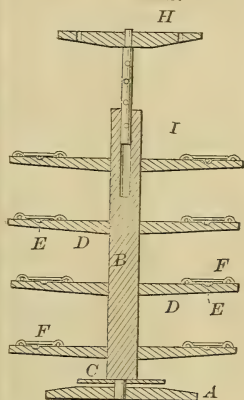


56046—H. A. Hawkins—*Weather Strip.*56047—A. Herlein—*Quartz Stamp Mill.*56049—W. Hindhaugh—*Safety Pocket.*56050—E. Hoyt—*Churn.*56048—W. F. Heywood—*For Folding Cloth.*56051—J. S. Hull—*Soldering Lamp and Blow Pipe.*

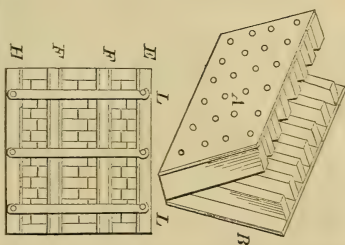
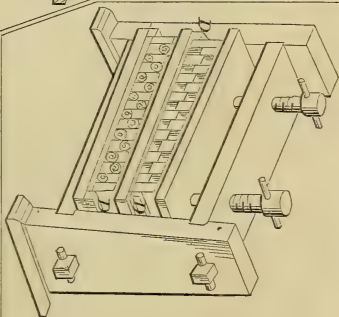
56057—A. Jamieson—*Visc.*



56056—A. Jackson—*Milk Rack.*



56055—A. Iske—*Cigar Press.*



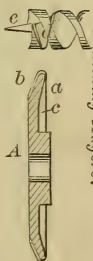
56059—F. G. Johnson—*Drill Chuck.*



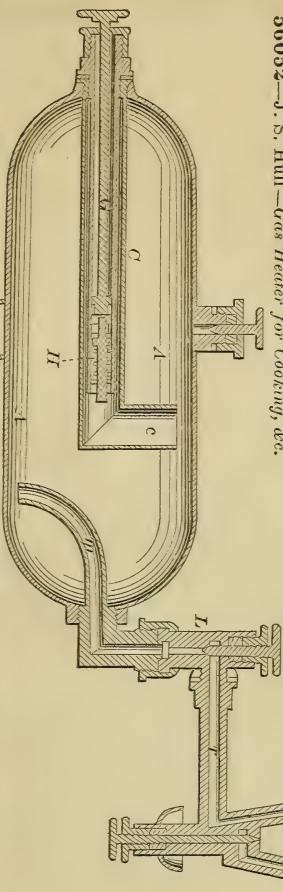
56054—J. L. Husband—*Packing for Steam Engines.*



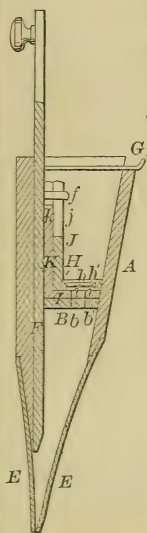
56058—R. Jennings—*Tool for Finishing Angers.*



56052—J. S. Hull—*Gas Heater for Cooking, &c.*

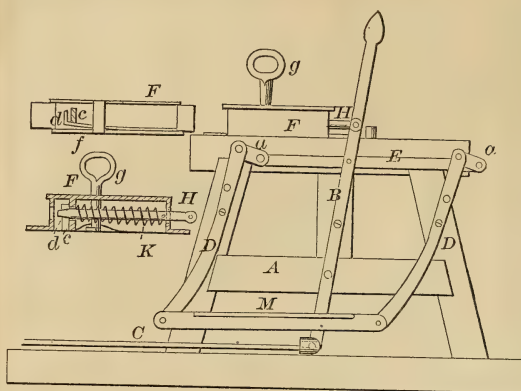
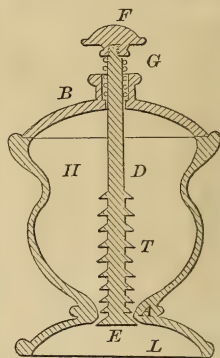
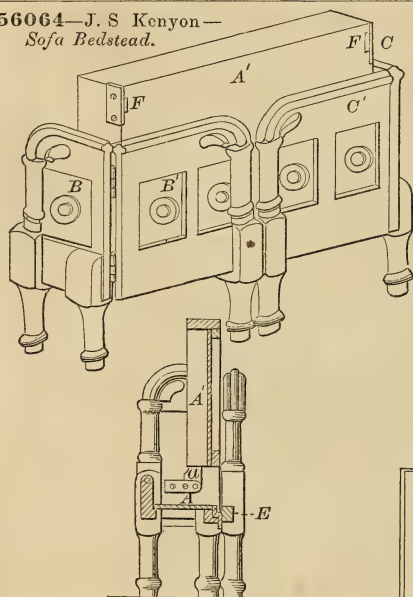


56053—D. Humphreys—*Hand Corn Planter.*

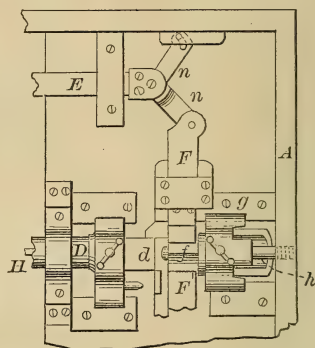
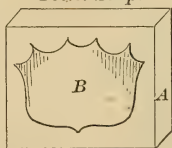




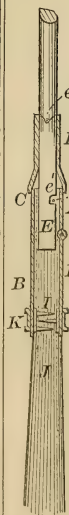
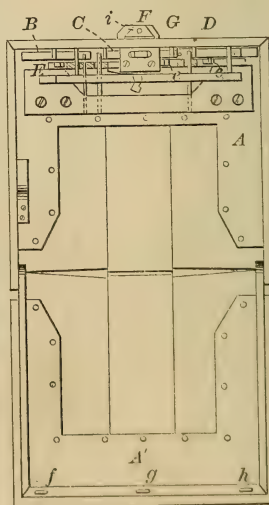
56060—R. V. Jones—Railroad Switch.

56063—Keep & Dummer—  
Sprinkler and Dredger.56064—J. S. Kenyon—  
Sofa Bedstead.

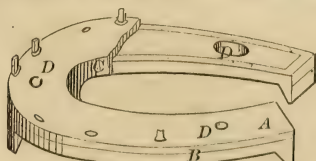
56062—E. Kaylor—Nut Machine.

56068—G. H. Lincoln—  
Toilet Soap.56061—W. Johnson—  
For Preventing Hogs  
from Rooting.

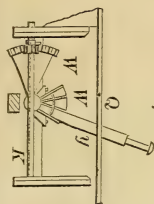
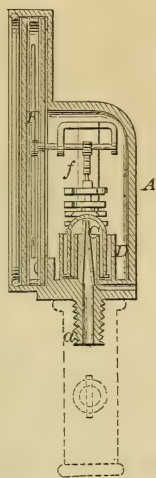
56067—J. H. Lightner—Broom Head.

56069—J. B. Logan—Mail  
Bag Lock.

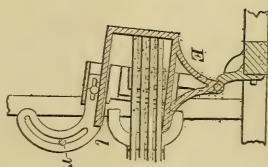
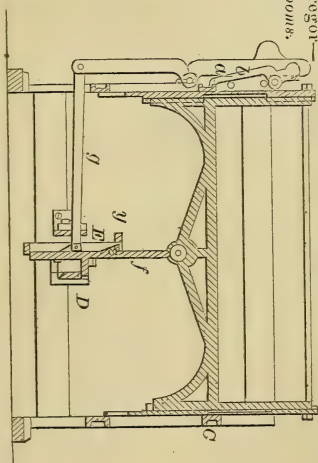
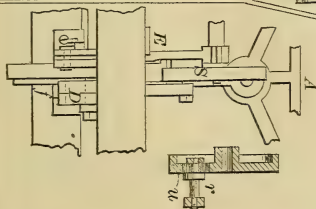
56065—P. A. La France—Horse Shoe.



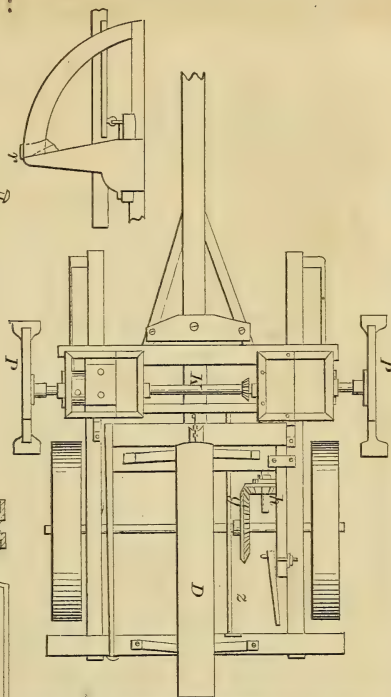
56070—J. Lowe—  
Steam Gauge.



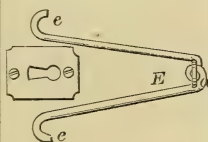
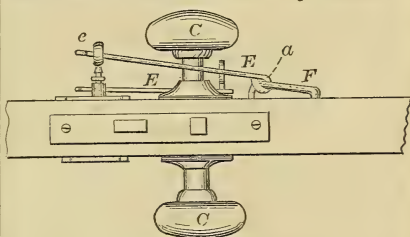
56077—W. W. McGregor—  
Harness Motion of Looms.



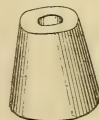
56076—L. W. McGaffey—Seed Planter.



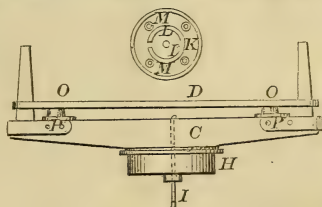
56071—S. Macferran—Door Key Fastener.



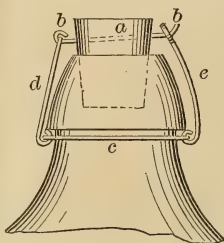
56073—C. S. Martin—  
Wagon Spring.



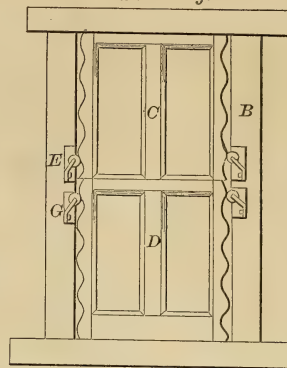
56074—C. S. Martin—Wagon Spring.



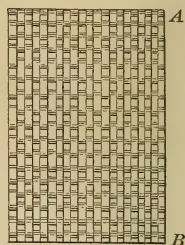
**56079**—T. W. Mirick—*Bottle Stopper.*



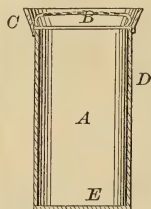
**56080**—R. E. Monaghan—*Sash Fastening.*



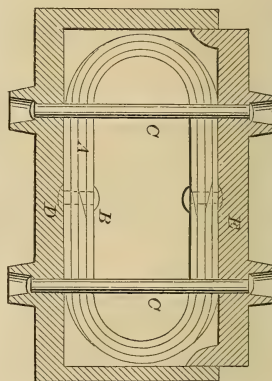
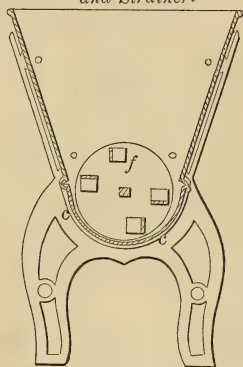
**56081**—C. Moore, Sr.—*Woven Bag.*



**56082**—  
H. A. Morse—*Clothes Sprinkler.*

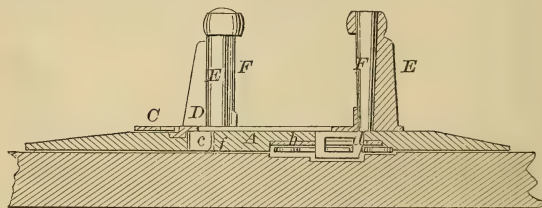


**56083**—J. M. Muhlrig—*Sifter and Strainer.*

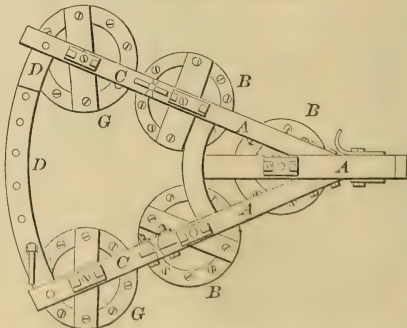


**56084**—W. R. Nichols—*Car Spring.*

**56086**—J. W. Norcross—*Row Lock.*



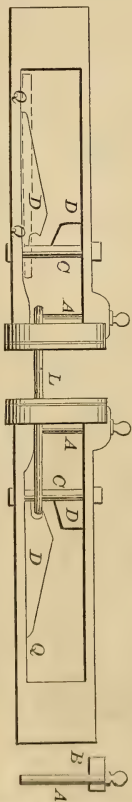
**56088**—O. D. Padrick—*Harrow.*



**56087**—J. W. Norcross—*Tackle Block, Sheave.*

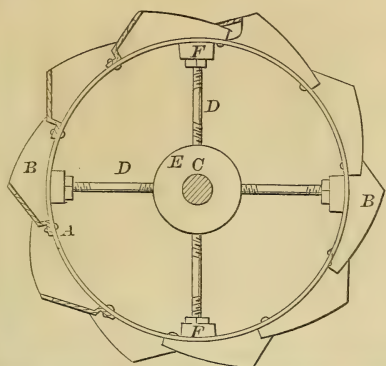


**56085**—J. A. Niman—*Car Coupling.*

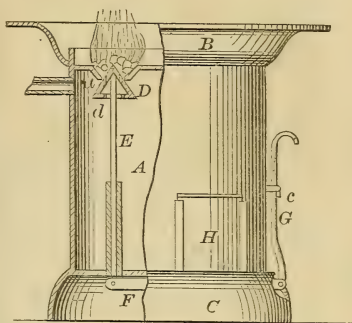




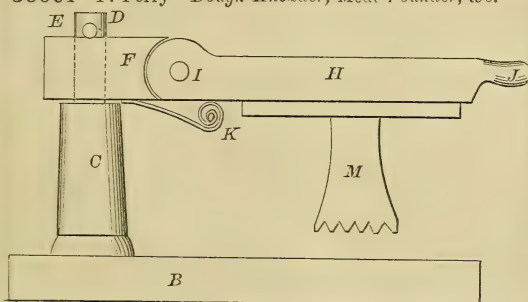
56089—R. Palmer—Sheet Metal Water Wheel.



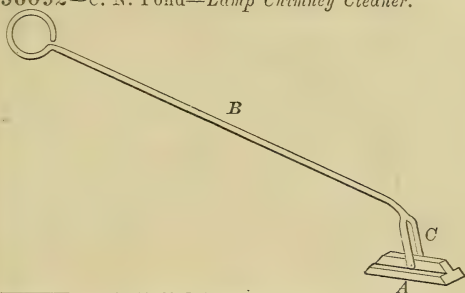
56090—J. Patterson—Tuyere.



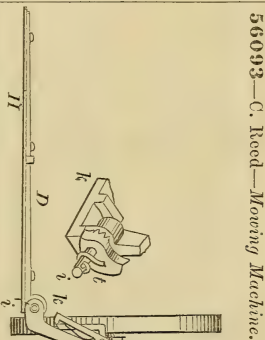
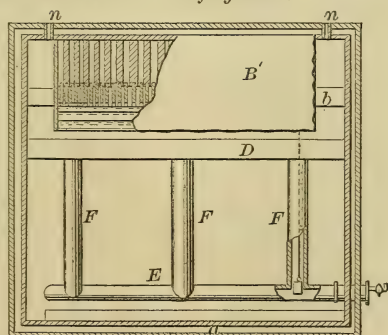
56091—P. Perry—Dough Kneader, Meat Pounder, &c.



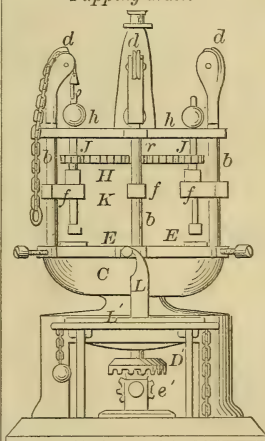
56092—C. N. Pond—Lamp Chimney Cleaner.



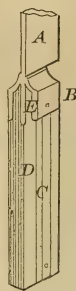
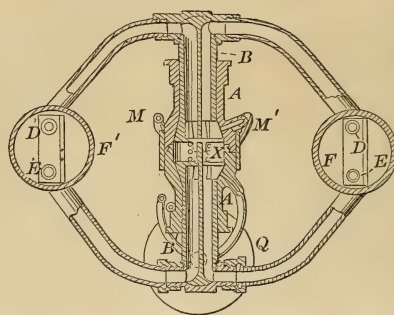
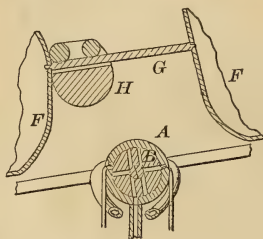
56094—Rees & Tevis—Refrigerator.



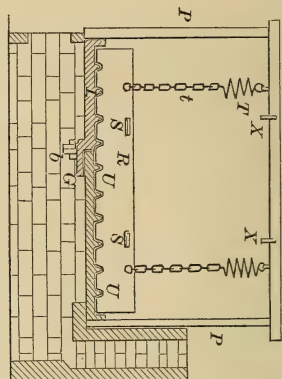
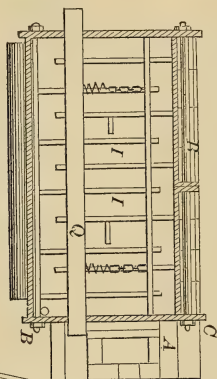
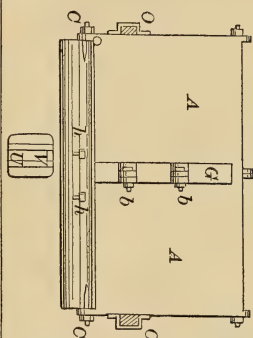
56095—D. Reese—For Tapping Nuts.



56096—G. A. Riedel—Automatic Boiler Feeder.

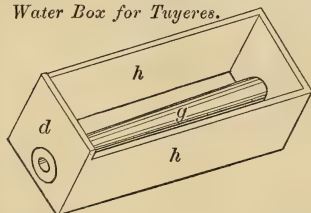


56099—W. W. Robinson—Cutlery.

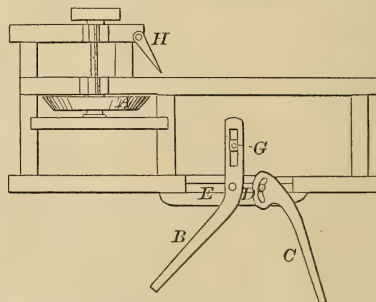


56097—J. F. Riggs—Evaporator.

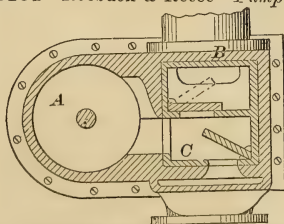
56098—G. M. Robinson—Water Box for Tuyeres.



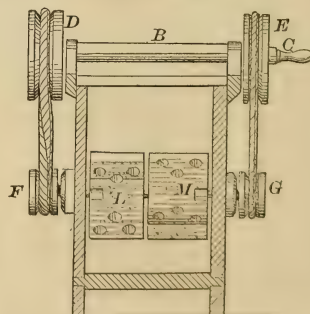
56100—P. Roche—Saw Gummer.



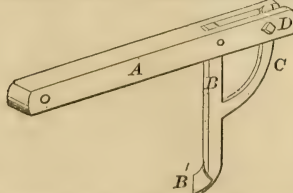
56101—Roebuck &amp; Reece—Pump.



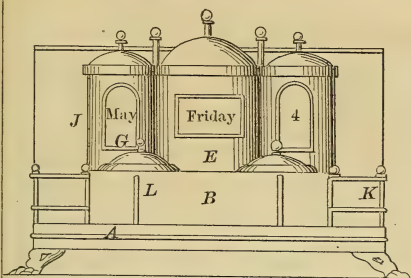
56103—J. L. Rust—Churn.



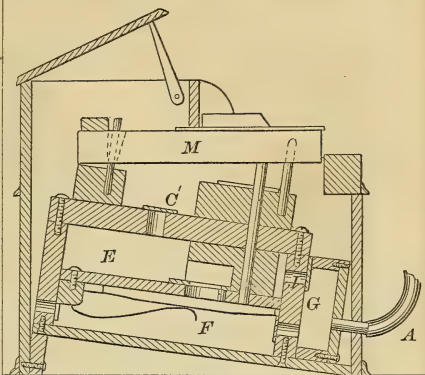
56102—J. S. &amp; I. Rowell—Cultivator.



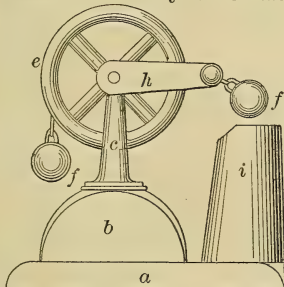
56104—G. Schmidt—Combined Inkstand, &c.



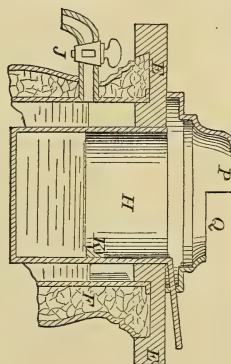
56106—D. Schuyler—Musical Instrument.



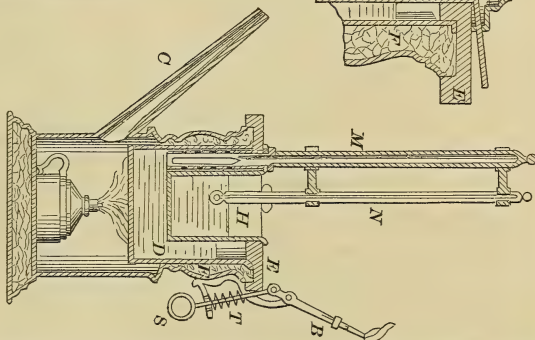
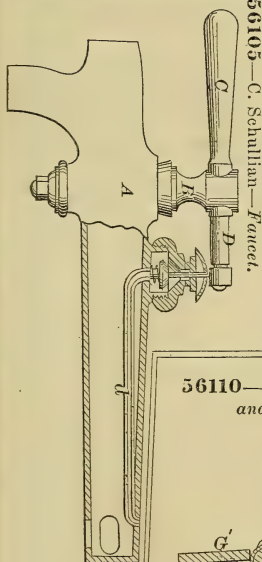
56108—F. Shaw—Quartz Crusher.



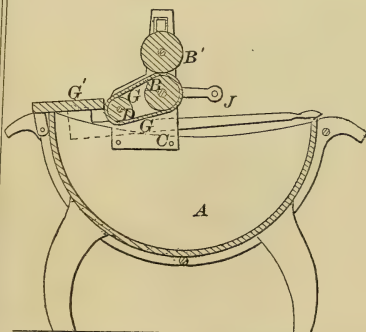
56106—G. E. Shaw—Carbon Oil Fire Tester.



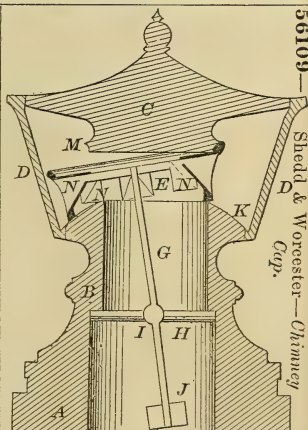
56105—C. Schullian—Faucet.



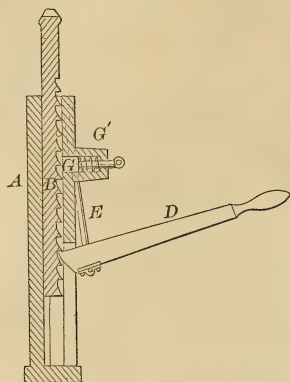
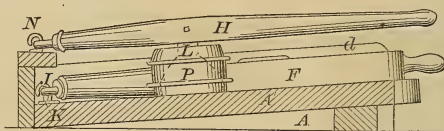
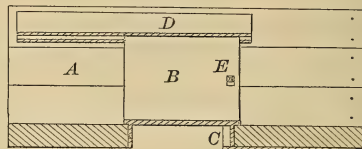
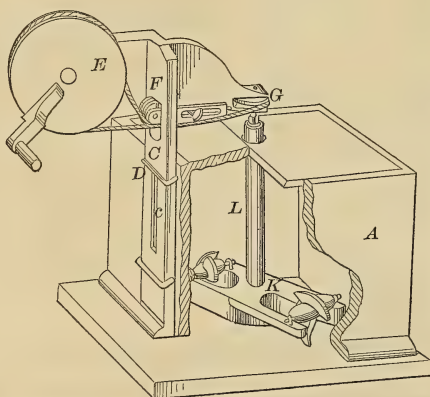
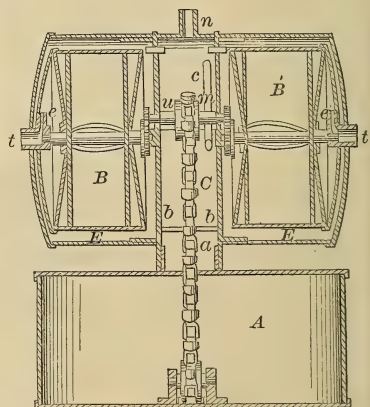
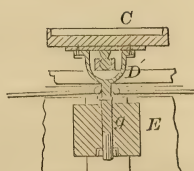
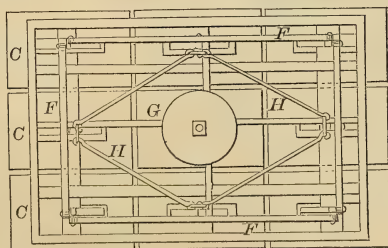
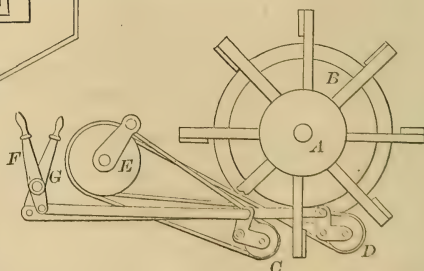
56110—W. S. Shoemaker—Washing and Wringing Machine.



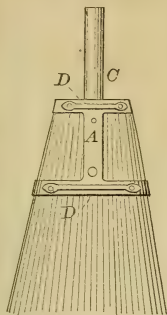
56109—Shedd & Worcester—Chimney Cup.



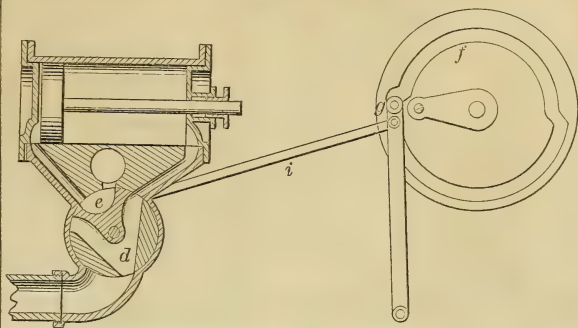


56111—L. Smith—*Lifting Jack.*56112—T. D. Smith—*Butter Worker and Mould.*56113—W. G. Smith—*Car Spittoon.*56115—O. W. Stanford—*Churn.*56114—R. Speer—*Nail and Tack.*56116—L. Stevens—*Treating Gas.*56117—I. H. Stoddard—*Ship's Table.*56118—J. M. Story—*For Driving Paddle Wheels.*

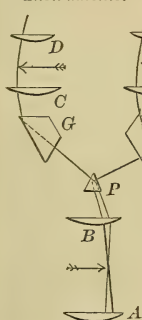
**56119**—W. D. Stroud—*Broom Head.*



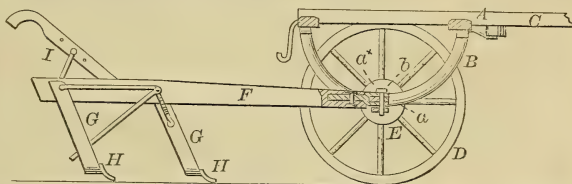
**56120**—H. H. Stuart—*Hydraulic Engine.*



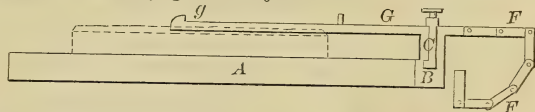
**56125**—R. B. Tolles—*Eye Piece for Optical Instruments.*



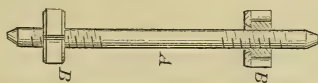
**56122**—C. W. Taliaferro—*Corn Cultivator.*



**56123**—J. W. Thyng—*Printing Press.*



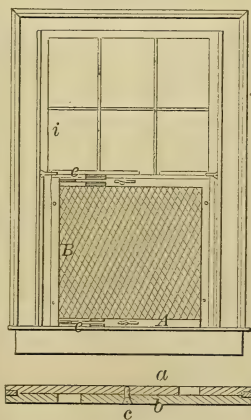
**56124**—L. Till—*Nut.*



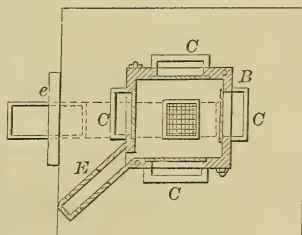
**56126**—Topping & Gally—*Ratchet Wheel for Lamps.*



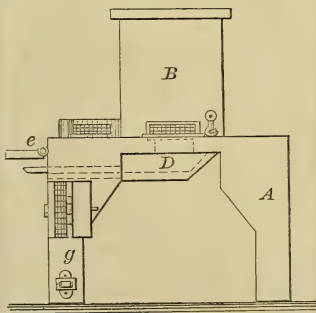
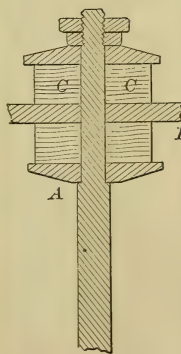
**56128**—C. L. S. Walker—*Mosquito Bar.*



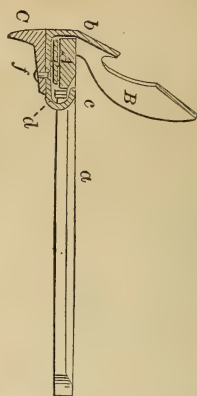
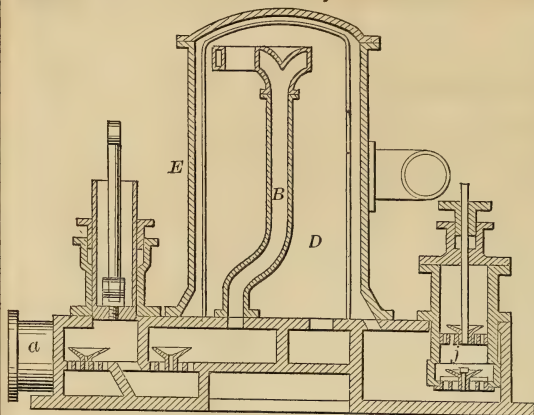
**56127**—J. Wash—*Dechive.*



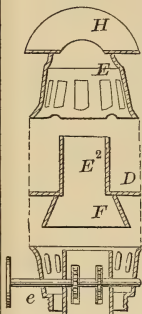
**56129**—D. M. Weston—*Reciprocating Pump.*



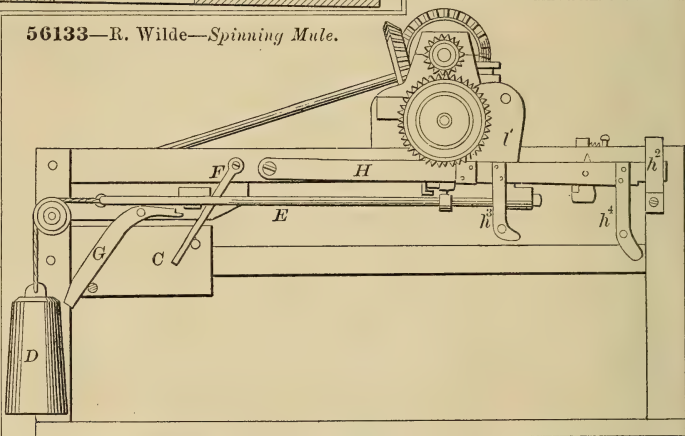
56130—N. P. Wheeler—Method of Condensation.



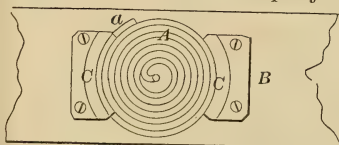
56134—A. S. Wilkinson—Horse Shoe.

56131—  
L. C. White—  
Kerosene  
Burner.

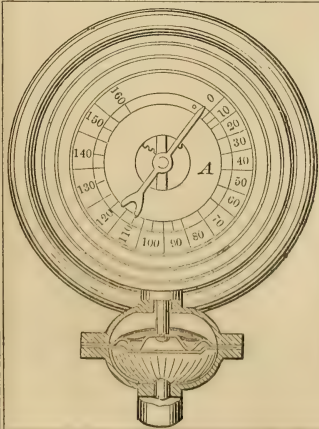
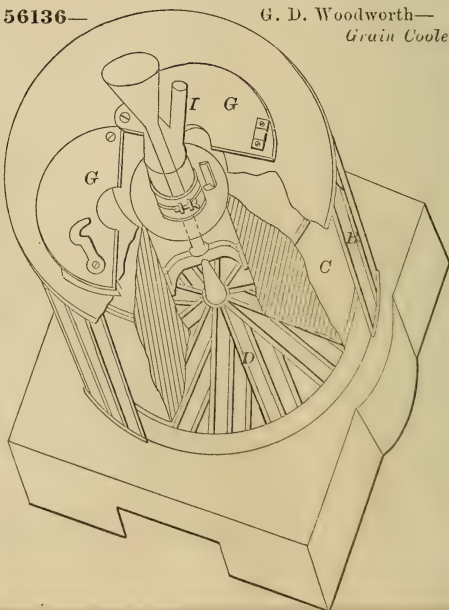
56133—R. Wilde—Spinning Mule.



56132—N. B. White—Bed Spring



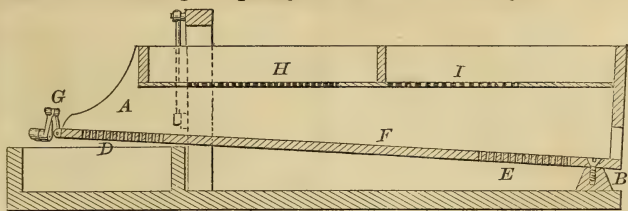
56136—

G. D. Woodworth—  
Grain Cooler.

56135—C. A. Wilson—Steam Gauge.



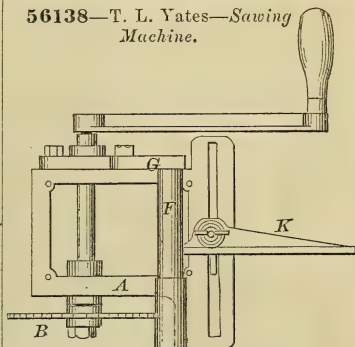
56140—W. Blessing—Preparing Cotton Seed for Planting.



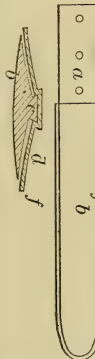
56142—J. E. Emerson—Saw.



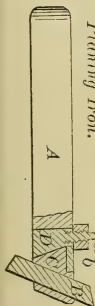
56138—T. L. Yates—Sawing Machine.



56144—B. Harrington—Knife for Removing Hair from Hides.



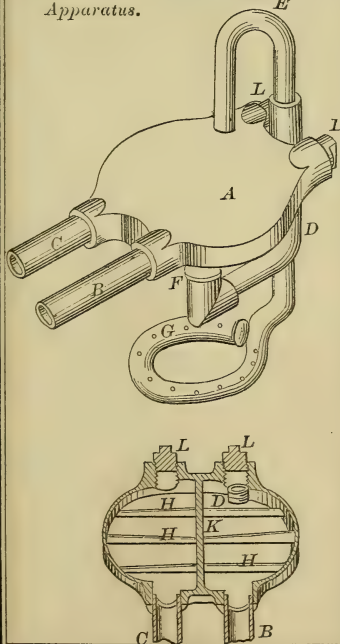
56141—T. Cooper—Turning or Planing Iron.



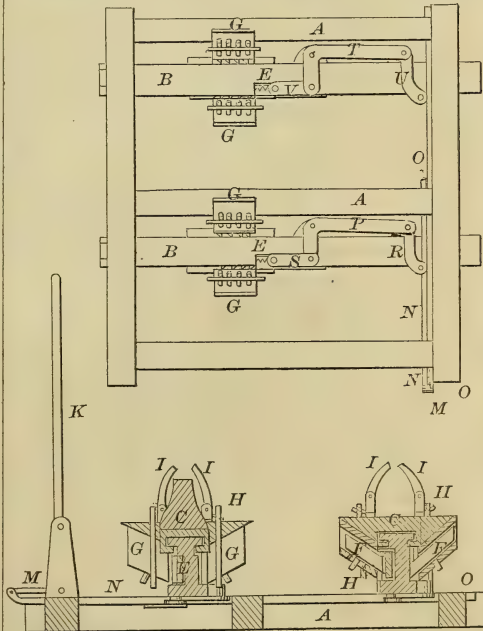
56139—C. H. Bagley—Safety Pocket.



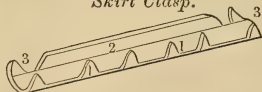
56143—A. J. Griffin—Gas Burning Apparatus.



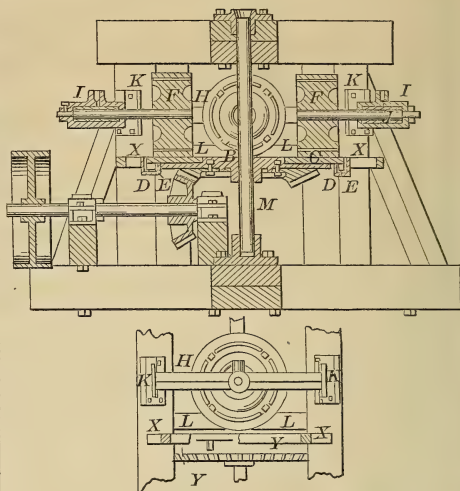
56145—C. Lettingwell—Head Block for Saw Mills.



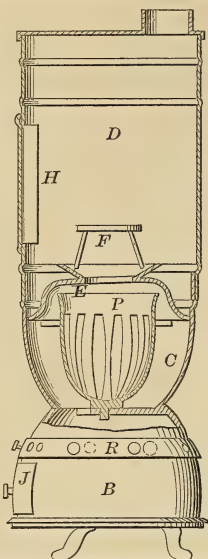
**56146**—L. W. McFarland—*Hoop Skirt Clasp.*



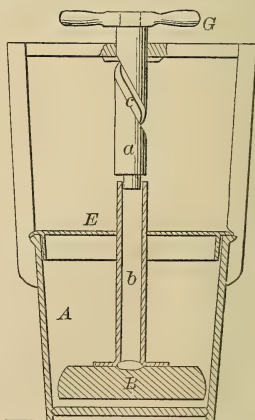
**56150**—S. B. Pike—*Quartz Crusher.*



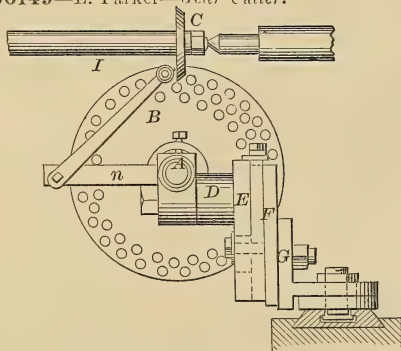
**56148**—J. W. Paige—*Coal Stove.*



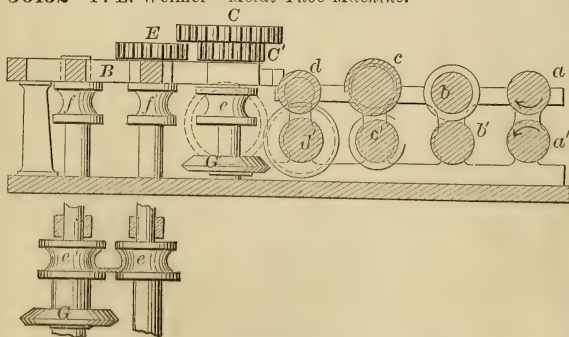
**56153**—G. L. Witsil—*Churn.*



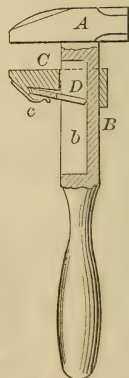
**56149**—E. Parker—*Gear Cutter.*



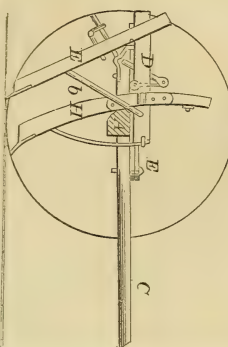
**56152**—P. L. Weimer—*Metal Tube Machine.*



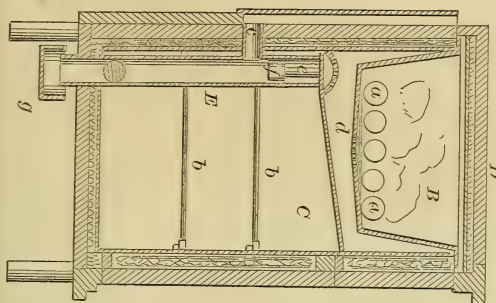
**56147**—A. M. Olds—*Wrench.*



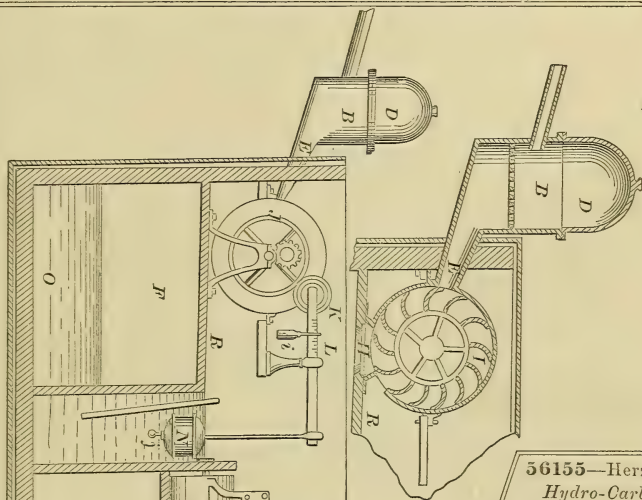
56157—Anderson & Edwards—*Cultivator.*



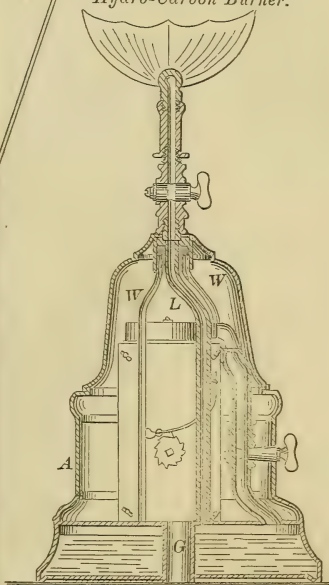
56154—J. Worrall—*Refrigerator.*



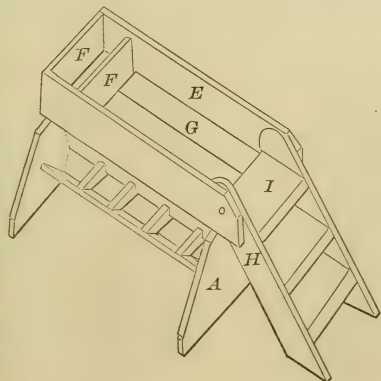
56156—W. Murphy—*Liquid and Spirit Meter.*



56155—Herzog & Cohn—*Hydro-Carbon Burner.*

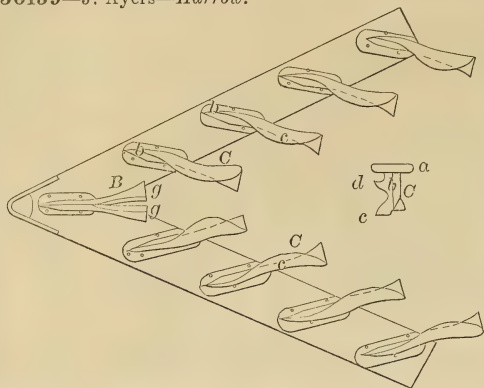


56158—B. Arnold—*Feeding Trough for Stock.*

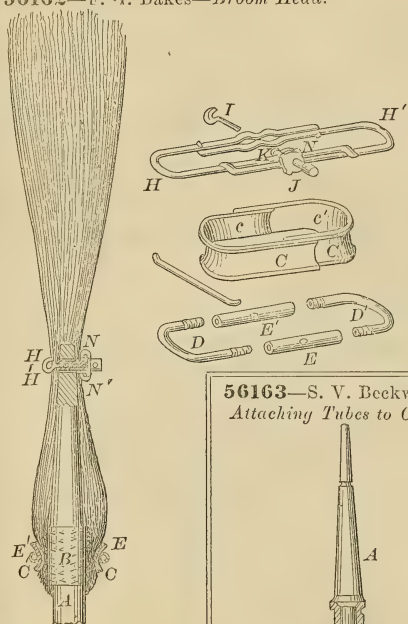




56159—J. Ayers—Harrow.



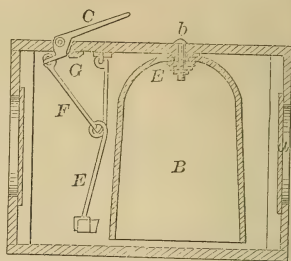
56162—F. G. Bakes—Broom Head.



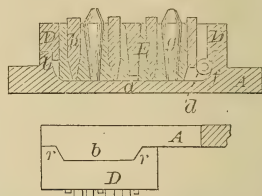
56163—S. V. Beckwith—Attaching Tubes to Oilers.



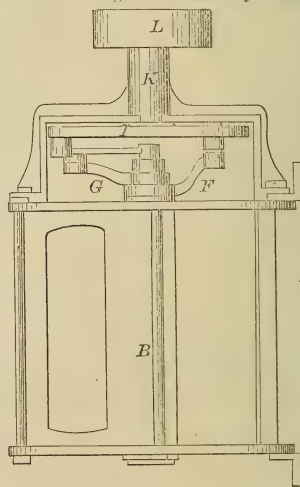
56160 G. E. Baker—Hanging Bells.



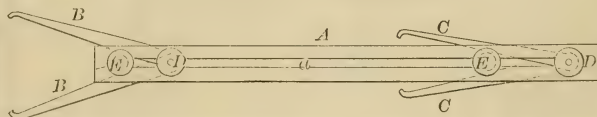
56161—H. H. Baker—Horse Shoe.



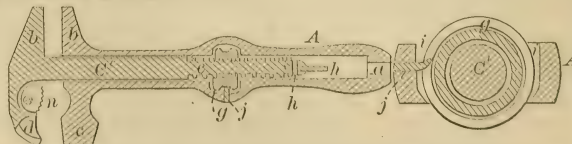
56165—Bigelow &amp; Murray—Blower.



56164—W. N. Berkeley—To Turn Tapering Shafts.



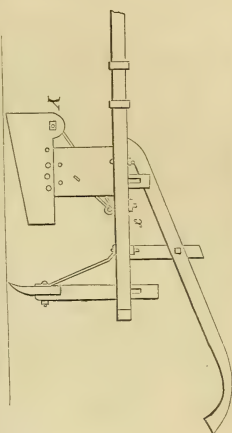
56166—B. Boardman—Tool.



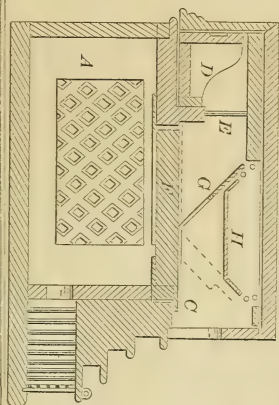
56168—P. Born—Carpet Bag Frame.



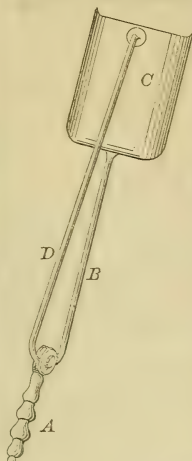
56173—H. Fullbrook—Collector.



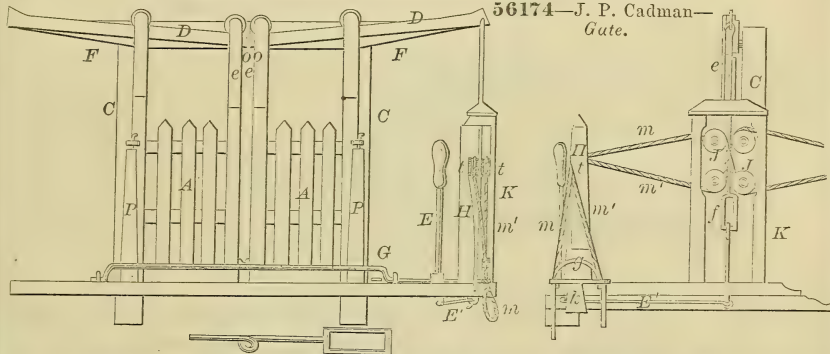
56175—W. H. Campbell—Animal Trap.



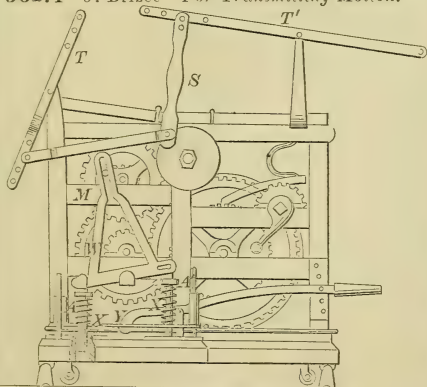
56169—R. D. Brady—Shovel and Tongs.



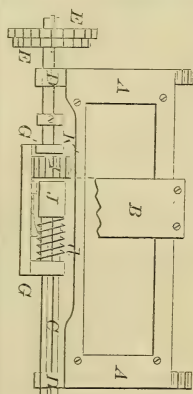
56174—J. P. Cadman—Gate.



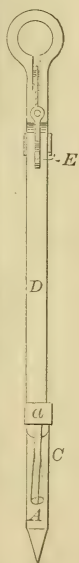
56171—J. Brizee—For Transmitting Motion.



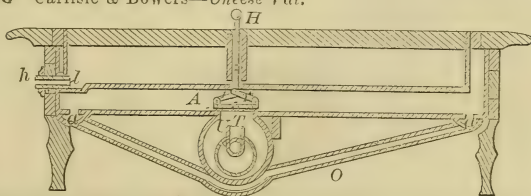
56172—A. P. Brown—Feed Stop for Lathes.



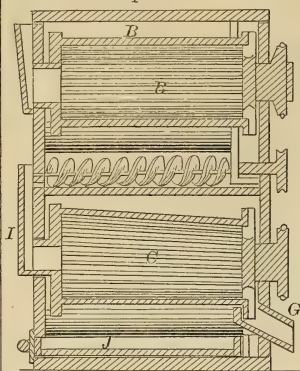
56170—A. C. Briggs—Horse Hay Fork.



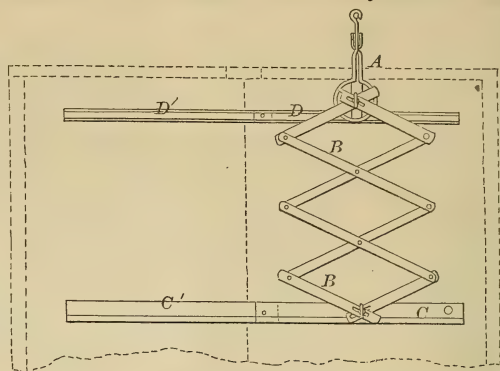
56176—Carlisle & Bowers—Cheese Vat.



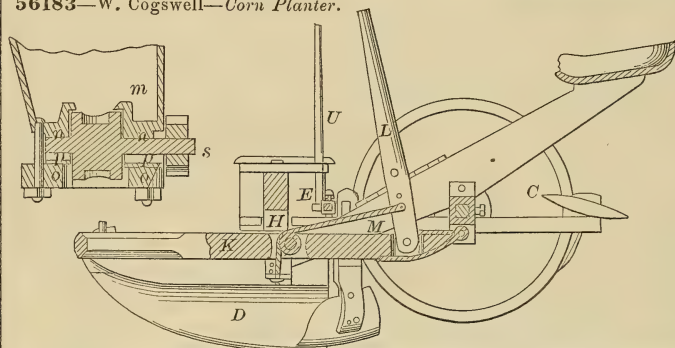
**56177**—Chase & Tiffany—  
Grain Separator.



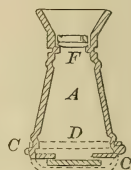
**56184**—J. E. D. Comstock—For Holding Books.



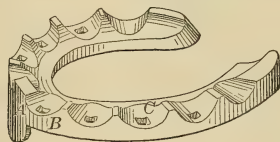
**56183**—W. Cogswell—Corn Planter.



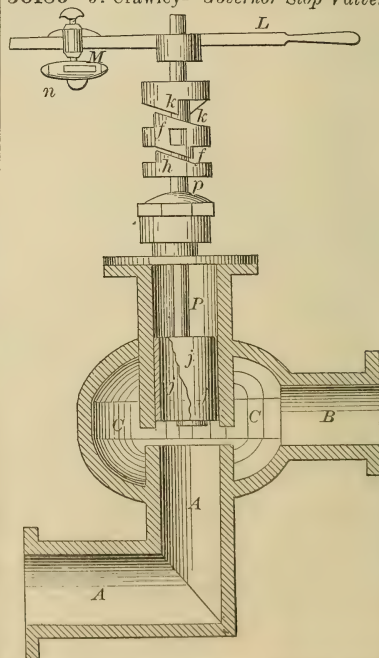
**56178**—  
O. N. Chase—  
Microscope.



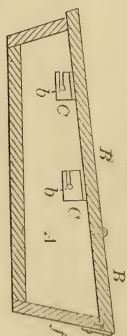
**56181**—J. N. Clarke—Horse Shoe.



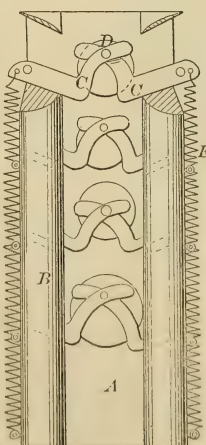
**56186**—J. Crawley—Governor Stop Valve.



**56182**—D. Clarke—Coffin.

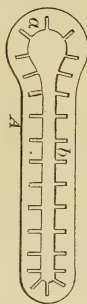
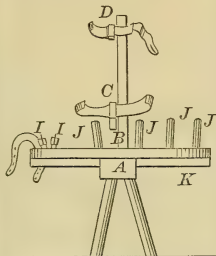


**56185**—K. Comroe—Sorghum Mill.





**56188**—J. Day—For Holding Sheep for Shearing.



**56190**—F. F. Dietrichs—Button Hole.

**56189**—G. Deal—Horse Rake.

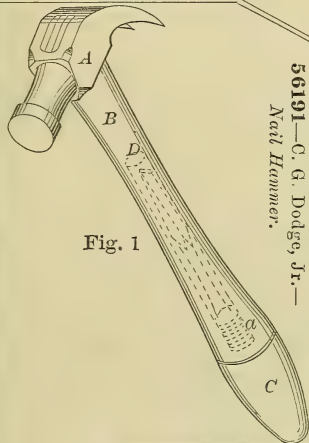
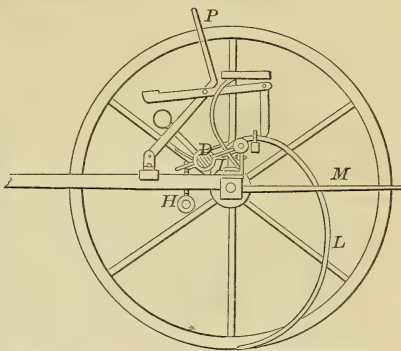
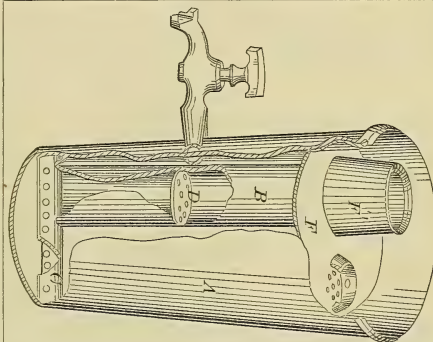


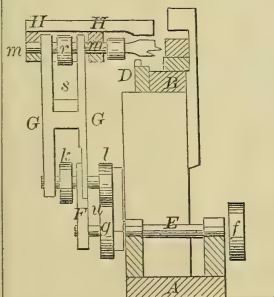
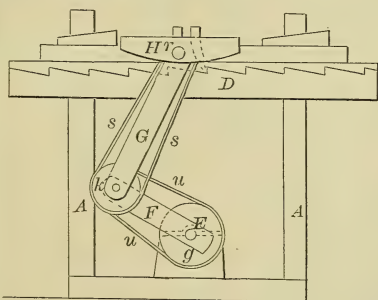
Fig. 1

**56191**—C. G. Dodge, Jr.—Nail Hammer.

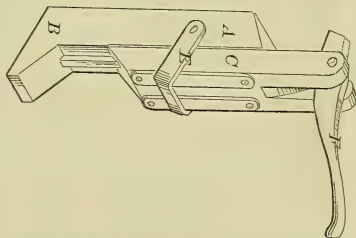


**56193**—N. Downes—Filter.

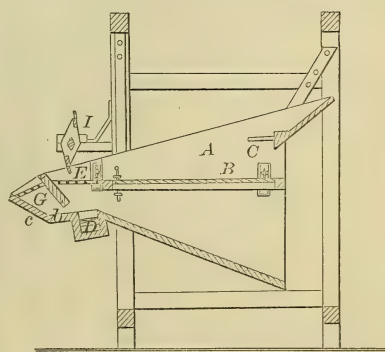
**56195**—S. E. Ellis—Wood Boring Machine.



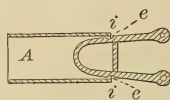
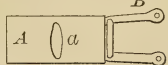
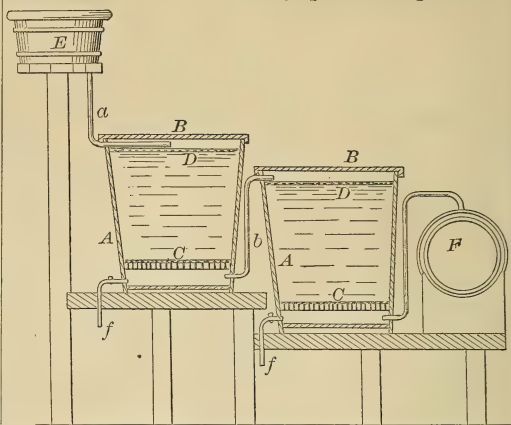
**56192**—W. M. Doty—Wagon Jack.



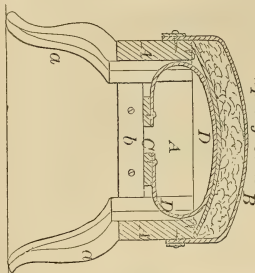
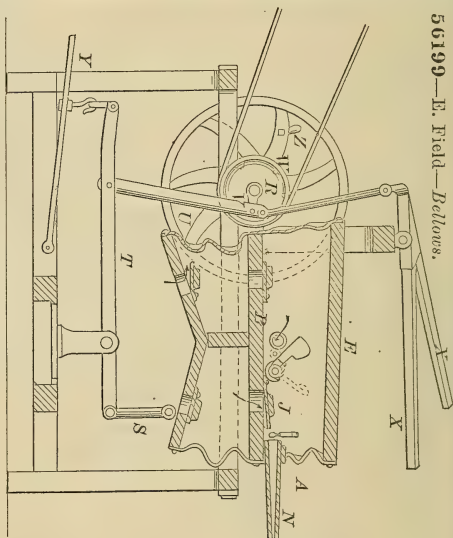
**56194**—J. F. Dunham—Grain Separator.



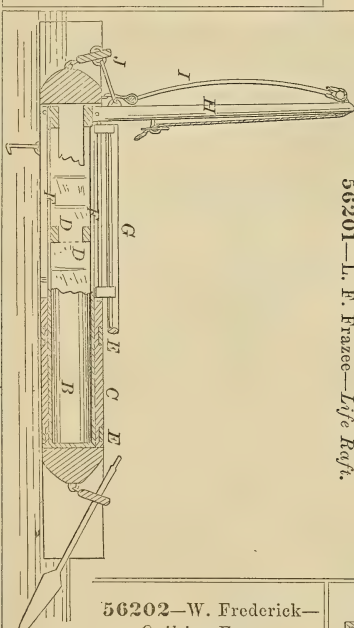
56196—J. A. Eshleman—  
Neck Tie Holder.  
B

56197—G. W. Ferris—*Refining Spirituous Liquors.*

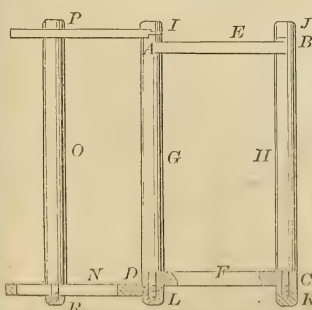
56200—L. W. Hillebrown, Jr.

56199—E. Field—*Bellows*.

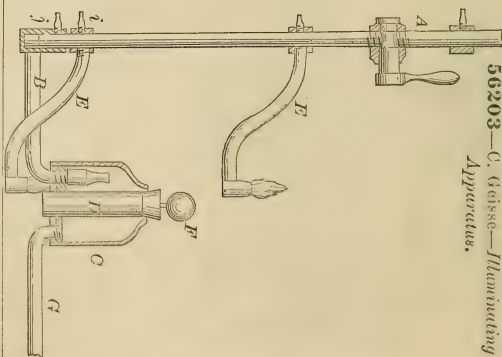
56201—L. F. Frazee—*Life Raft*.



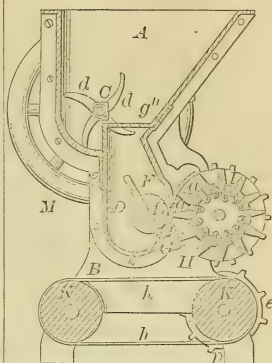
56202—W. Frederick—  
*Quilting Frame.*



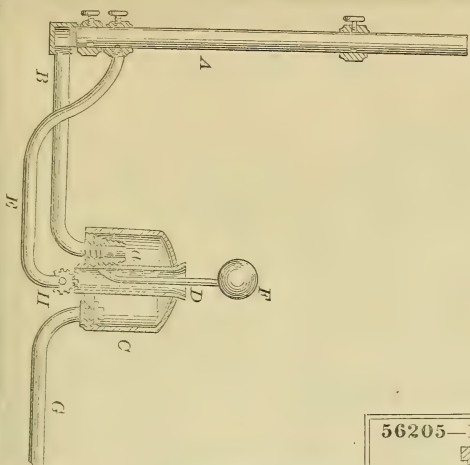
56203—C. (Jeise)—*Illuminating Apparatus.*



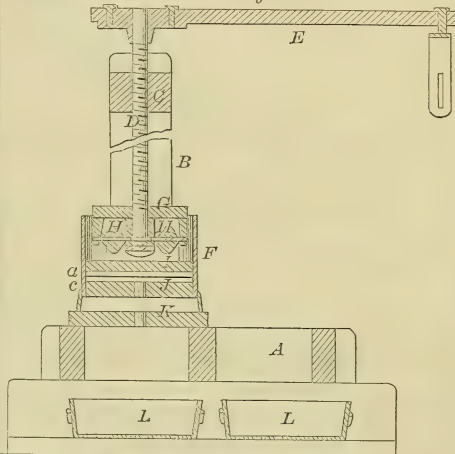
56206—S. D. & S. Gilson—Peat Machine.



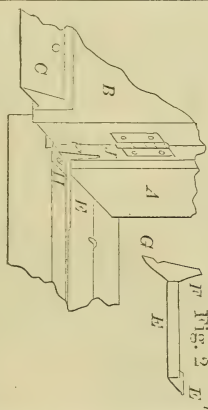
56204—C. Geisse—Gas Heater.



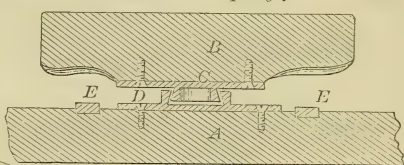
56205—P. M. Gilbert—Sugar Press.



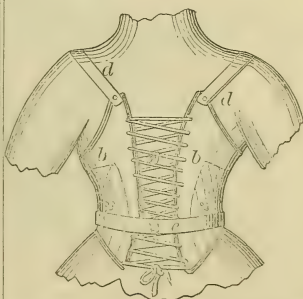
56209—F. C. Gridley—Weather Strip for Doors.



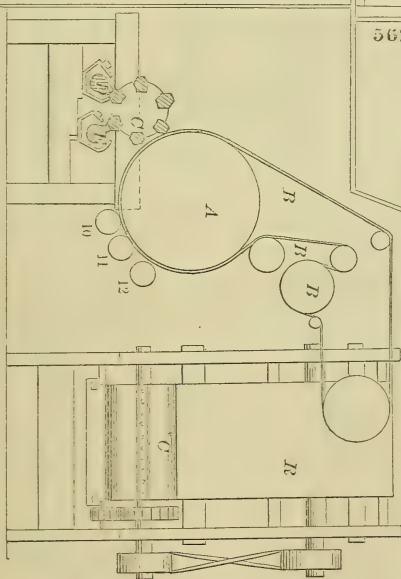
56207—N. W. Gordon—Coupling for Vehicles.



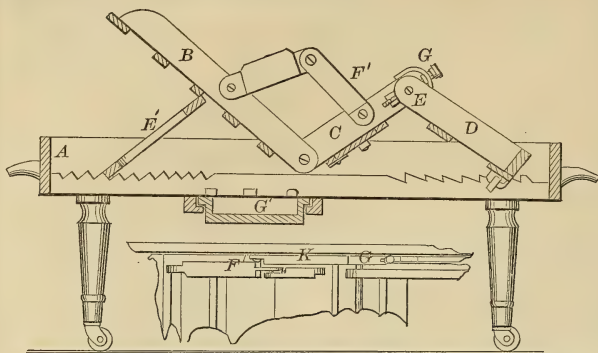
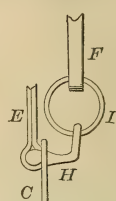
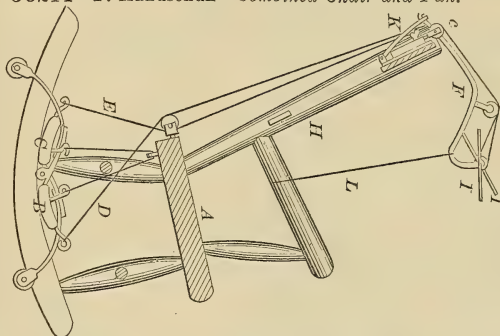
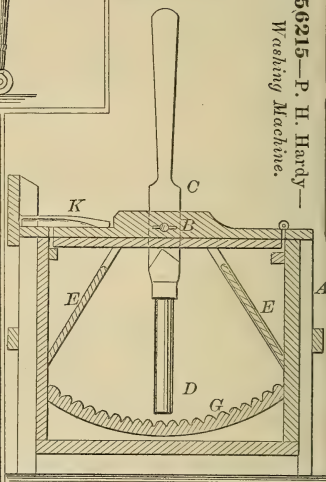
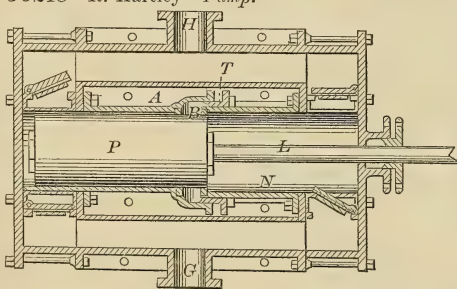
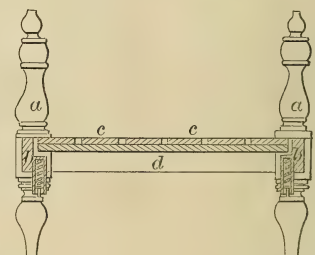
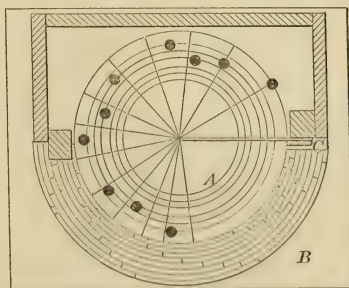
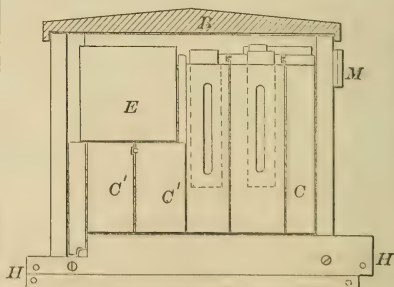
56210—C. A. Griswold—Skirt Supporting Corset.



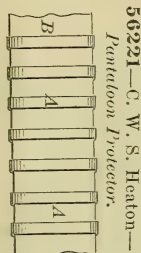
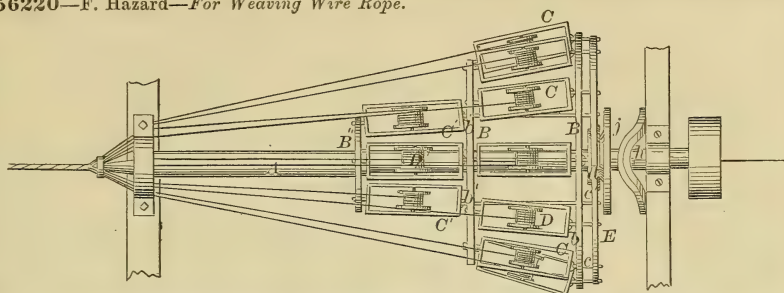
56208—J. Green—Printing Textile Fabrics.



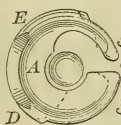


56211—W. A. Guyer—*Invalid Bedstead.*56213—J. C. Haines—*Bridle.*56214—F. Handschuh—*Combined Chair and Fan.*56215—P. H. Hardy—*Washing Machine.*56218—R. Hartley—*Pump.*56216—B. S. Harrington—*Spring Bed.*56212—J. Haines—*Cheese Cutter.*56219—T. Hawkins—*Beehive.*

56220—F. Hazard—For Weaving Wire Rope.



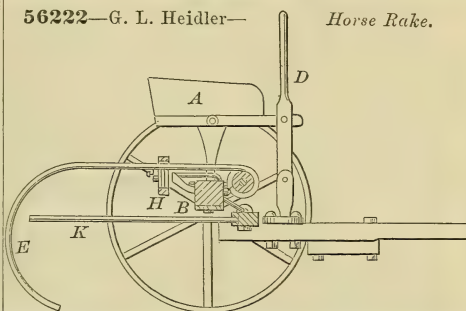
56221—C. W. S. Heaton—  
Pantoon Protector.



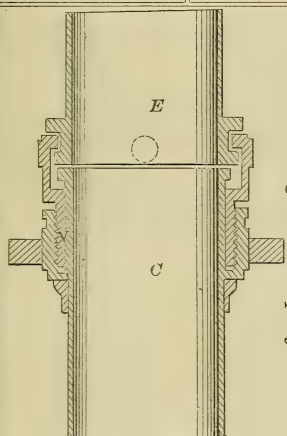
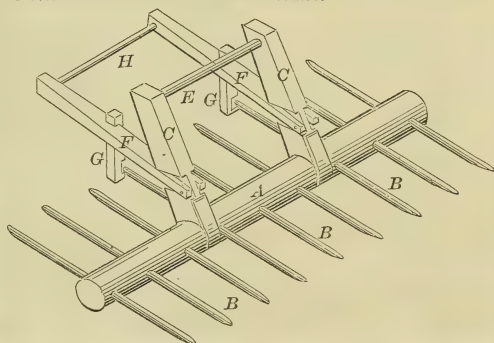
56224—J. A. & H. A. House—  
Rotating Hook of Sewing  
Machines.

56222—G. L. Heidler—

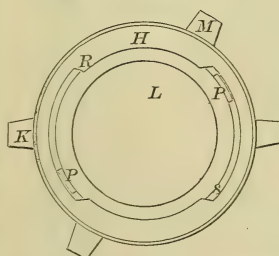
Horse Rake.



56227—E. O. Jones—Horse Rake.



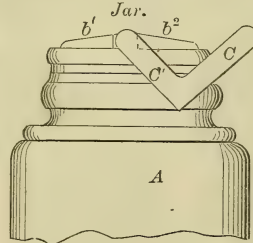
56223—R. Henneage—Hose Coupling.



56225—Z. Hunt—Culinary Sink.

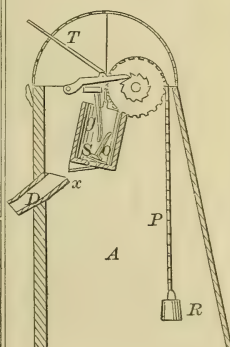
56226—J. Johnson—Fruit

Jar.

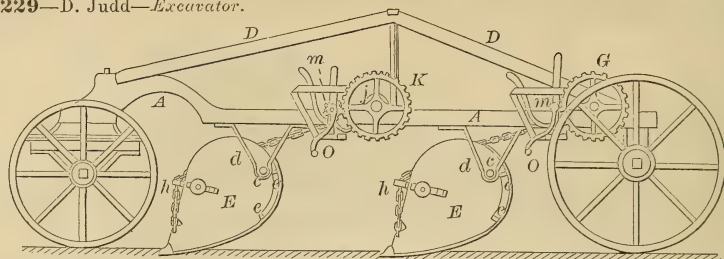


56228—S. F. Jones—

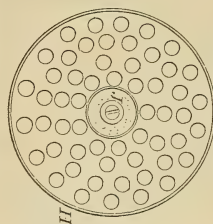
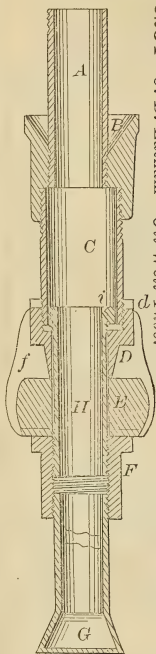
Water Elevator.



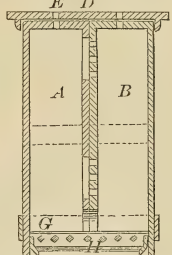
56229—D. Judd—Excavator.



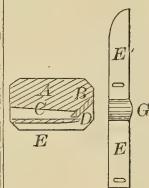
56234—O. B. Latham—Oil Well Tube.



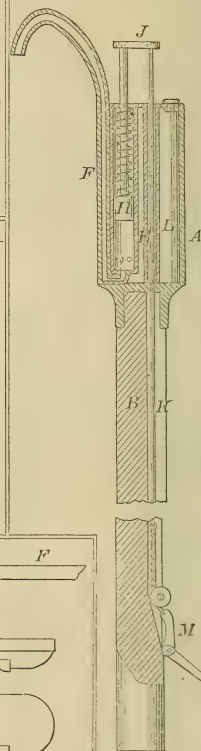
56230—J. J. Justin—Beehive.



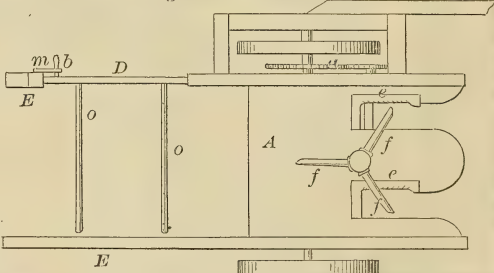
56235—J. Lebeau—Paring Knife.



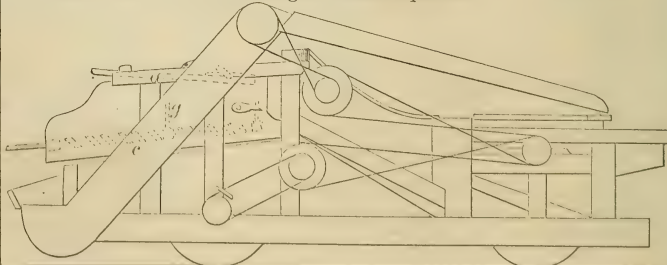
56233—J. King—Oiler.



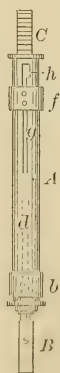
56236—C. M. Lightner—Corn Harvester.



56237—A. J. &amp; H. Linebarger—Grain Separator.

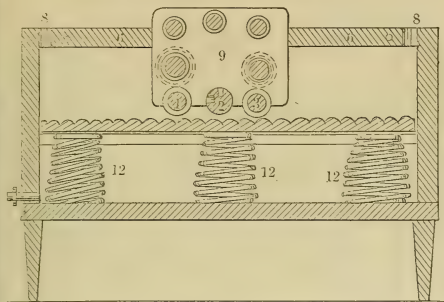


56231—J. E. Karsen—Diamond Holder.





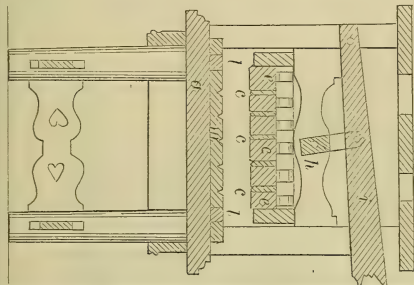
56238—J. Lochridge—Washing Machine.



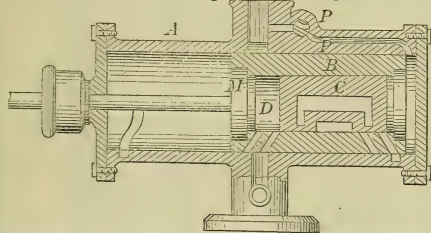
56240—C. Mac Rac—Automatic Gas Cock.



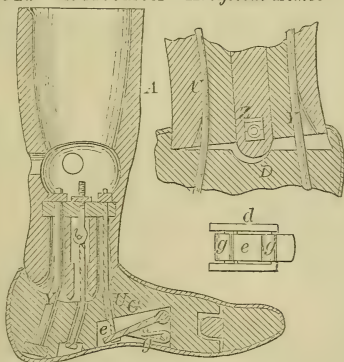
56241—W. Manning—Corn  
Cake Machine.



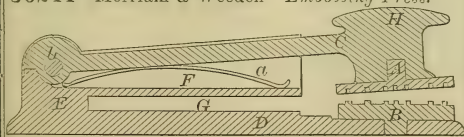
56242—Maxwell & Cope—Steam Engine.



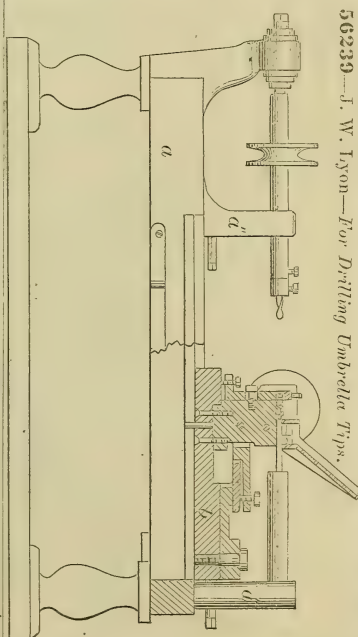
56243—A. McOmber—Artificial Limb.



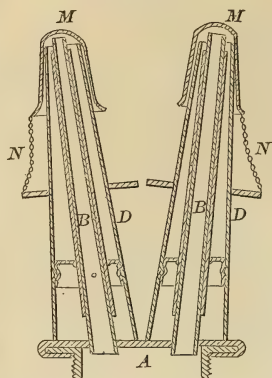
56244—Merriam & Weedon—Embossing Press.



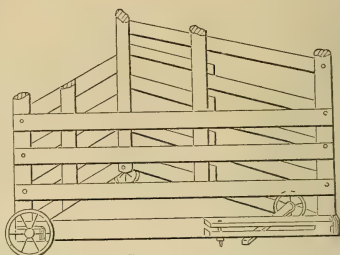
56239—J. W. Lyon—For Drilling Umbrella Tips.



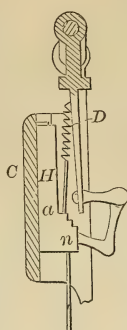
56245—R. S. Merrill—*Lamp Burner.*



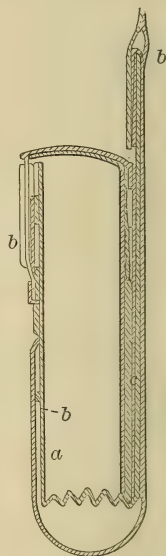
56249—A. Morley—*Stock Yard.*



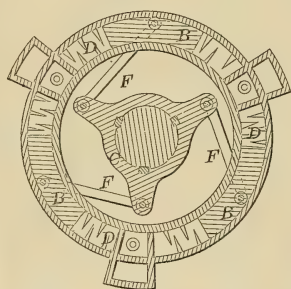
56247—J. Minter—*Bolt Heading Machine.*



56248—G. A. Mitchell—*Safety Pocket.*



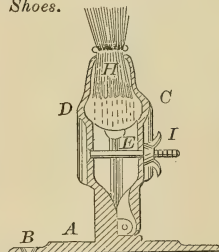
56246—J. W. Miles—*Grinding Mill.*



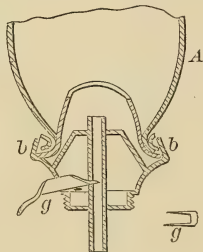
56251—L. B. Myers—*Pencil Holder.*



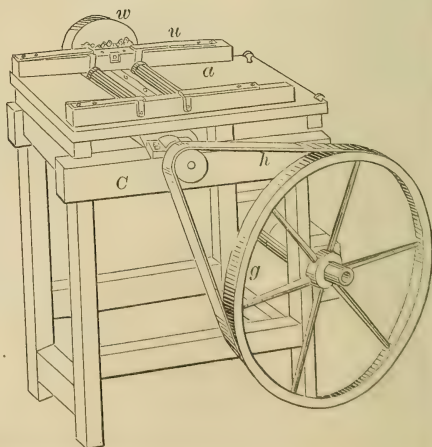
56252—L. M. Newbury—*For Cleaning Boots and Shoes.*



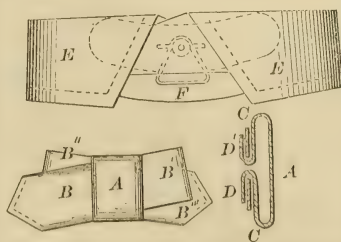
56250—Mund & Hoffman—*Lamp Wick Regulator.*



56254—D. Niles—*Planing Machine.*

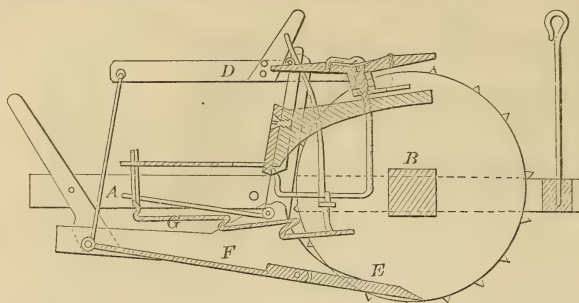
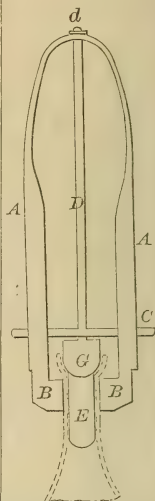
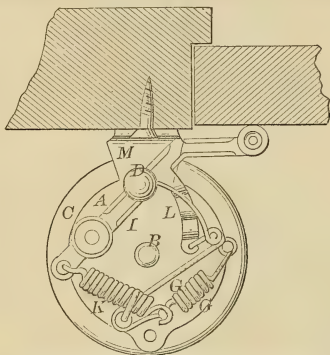
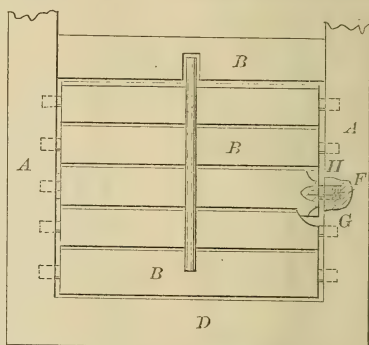
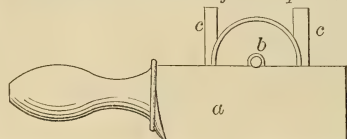
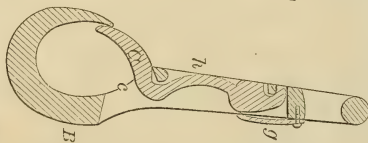
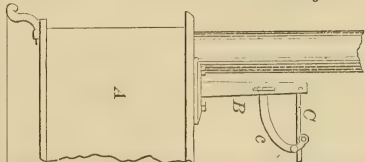
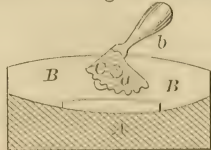
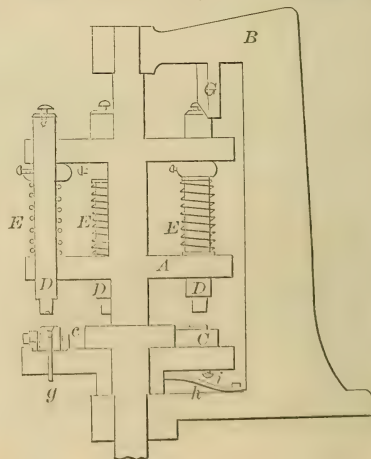


56253—J. W. Newbury—*Neck Tie.*

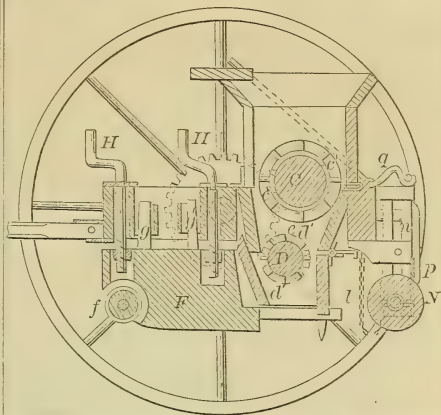




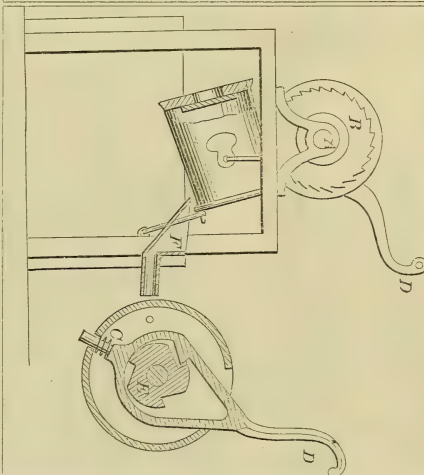


56260—H. M. Peavey—*Potato Digging Machine.*56263—W. Pountney—*Manufacture of Cried Bottles.*56262—H. H. Potter—*Burglar Alarm.*56261—C. M. Platt—*Button.*56267—W. F. Redding—*Window Blind.*56264—J. B. Pratt—*Knife Sharpener.*56265—Quinn & Summers—*Snap Hook.*56266—R. I. Rathburn—*Cooking Stove.*56269—G. T. Ridings—*Tire Machine.*56268—J. C. Rhodes—*Tack Capping Machine.*

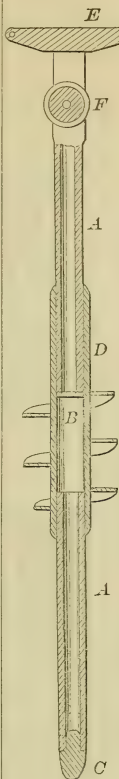
56274—J. L. Russell—Cotton Seed Planter.



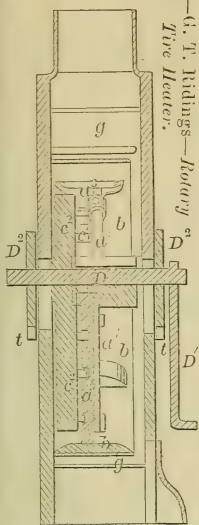
56275—J. Raymond—Water Elevator.



56273—C. Rundell—Hay Stacker.



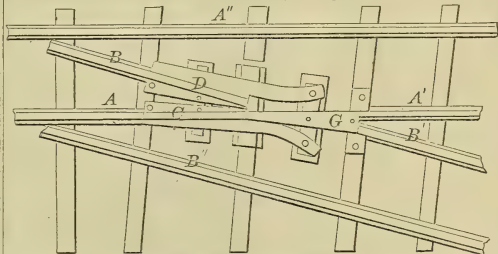
56270—G. T. Ridings—Rotary  
Tire Heater.



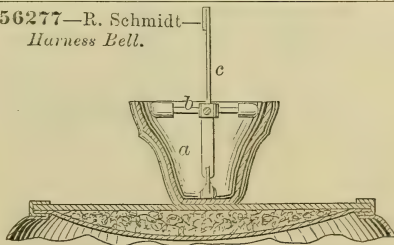
56272—Ross & West—Tobacco Pipe and  
Cigar Holder.



56271—A. Robbins—Railway Frog.



56277—R. Schmidt—  
Harness Bell.



56276—Saugster & Spencer—Distilling Petroleum.

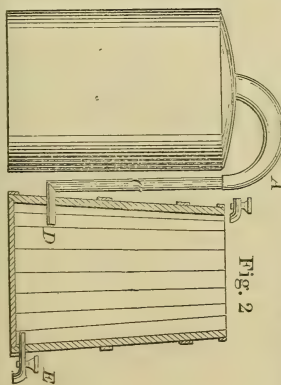
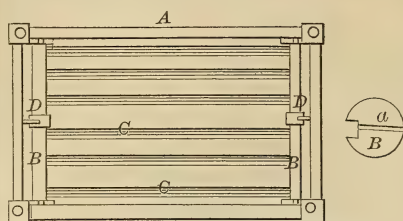
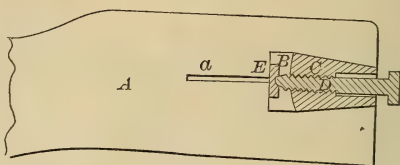
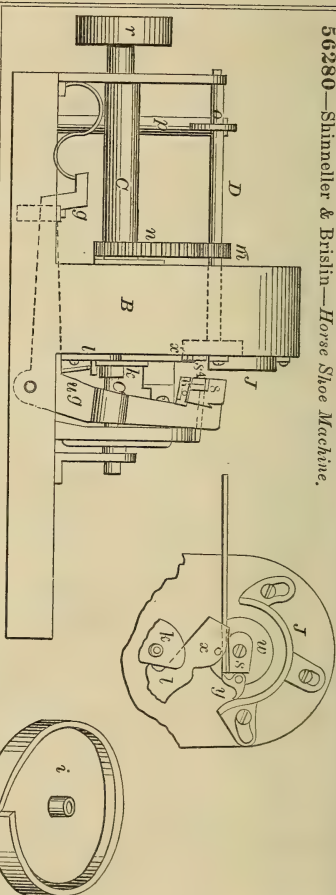
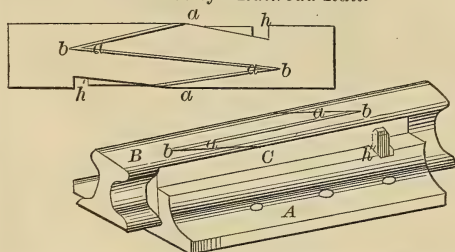
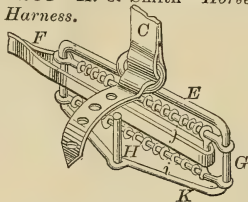
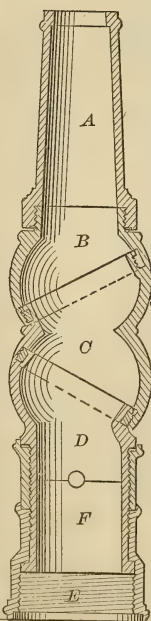
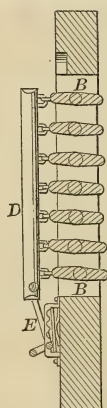
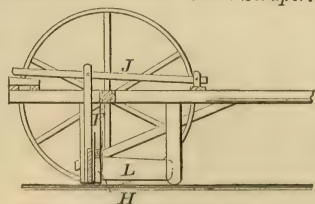
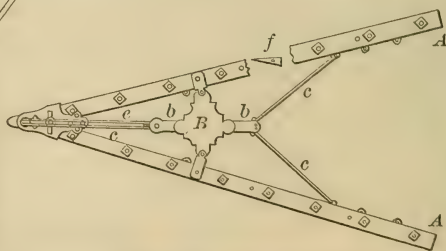
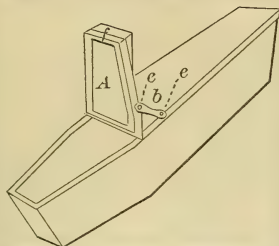


Fig. 2

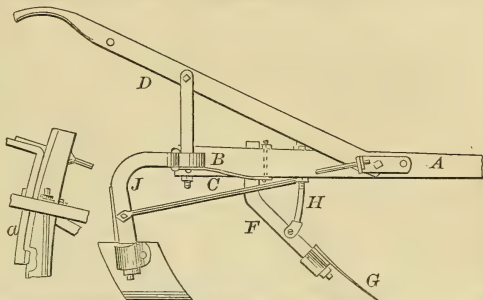
56278—H. G. Seekins—*Bed Bottom.*56281—G. W. Simonds—*Securing Axes on Handles.*56279—J. W. Shiveley—*Railroad Rail.*56280—Shinneller & Brush—*Horse Shoe Machine.*56283—H. C. Smith—*Horse Harness.*56284—Smith & Tewksbury—*Revolving Hose Nozzle.*56282—A. P. Smith—*Window Blind.*56285—M. Smith—*Street Scraper.*56286—E. M. Sorley—*Cultivator.*



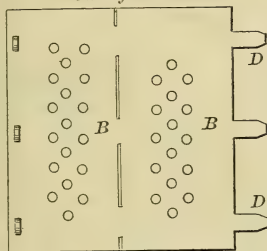
56287—H. D. Sprague—Coffin.



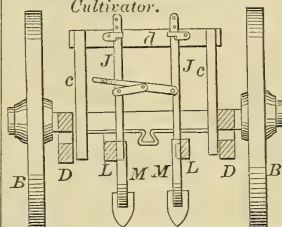
56288—E. Starr—Cultivator.



56290—P. L. Suine—Package Case for Plants.



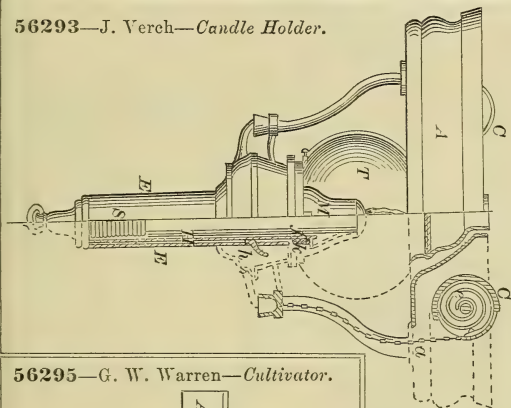
56289—D. C. Stover—Cultivator.



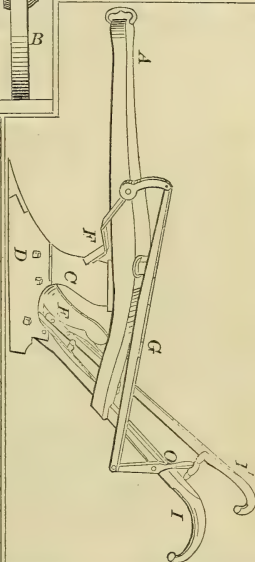
56294—Wakeman & Ballance—Baling Hay.



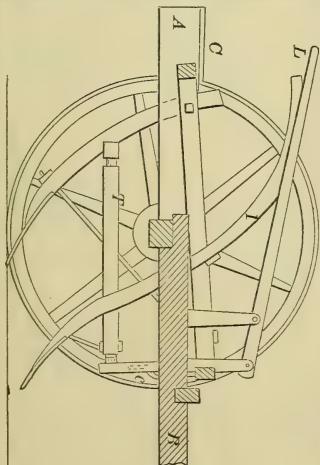
56293—J. Verch—Candle Holder.



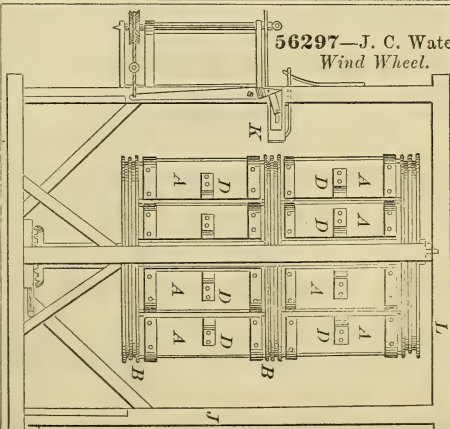
56296—O. F. Warren—Pile Cleaner.

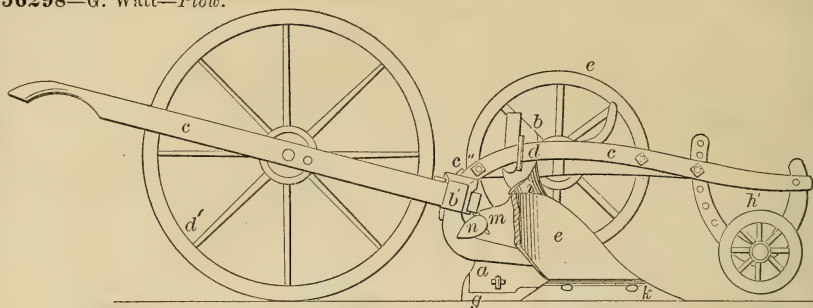
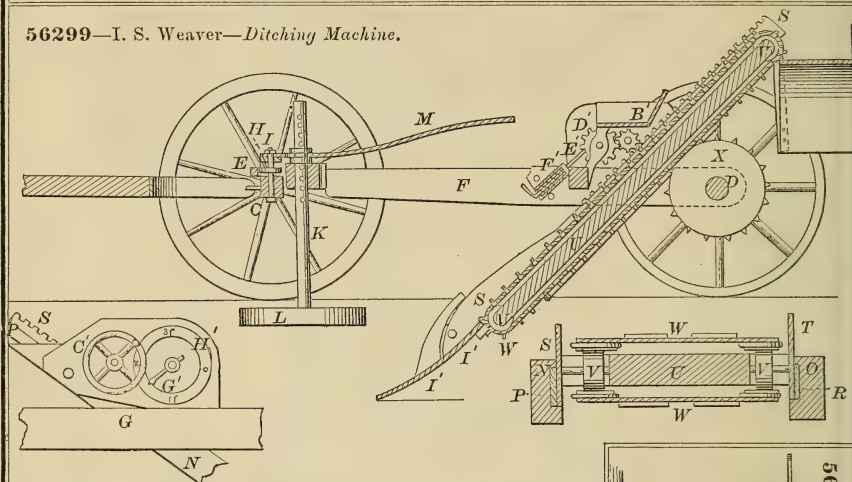
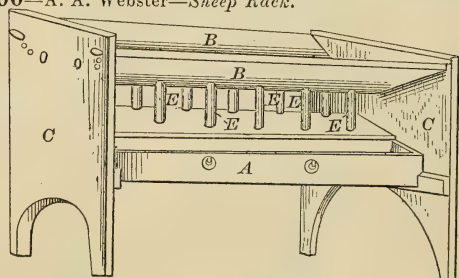
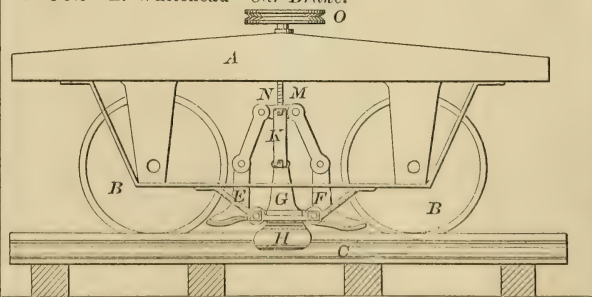
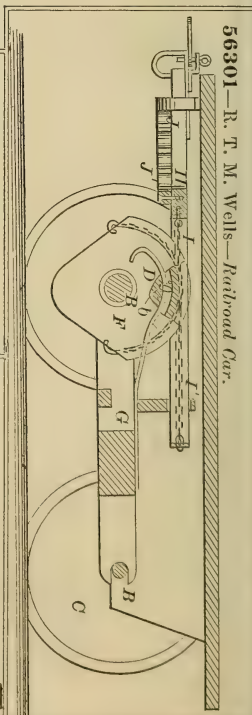


56295—G. W. Warren—Cultivator.

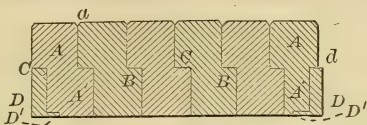


56297—J. C. Wate—Wind Wheel.

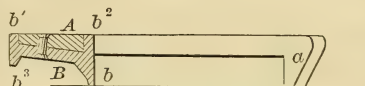


56298—G. Watt—*Plow*.56299—I. S. Weaver—*Ditching Machine*.56300—A. A. Webster—*Sheep Rack*.56302—E. Whitehead—*Car Brake*.56301—R. T. M. Wells—*Railroad Car*.

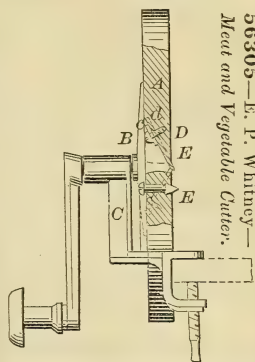
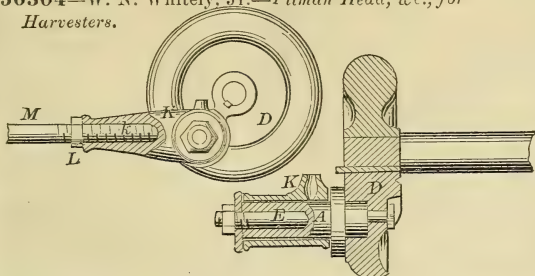
**56303**—E. Whitehead—*Pavement.*



**56310**—A. S. Wilkinson—*Horse Shoe.*

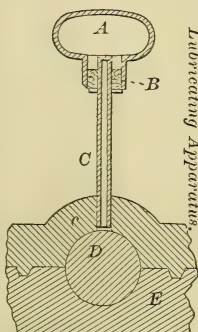


**56304**—W. N. Whitely, Jr.—*Pitman Head, &c., for Harvesters.*

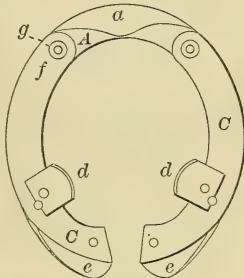


**56305**—E. P. Whitney—*Meat and Vegetable Cutter.*

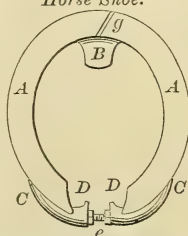
**56306**—Wiegman & Folsom—*Lubricating Apparatus.*



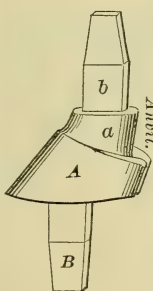
**56307**—A. S. Wilkinson—*Horse Shoe.*



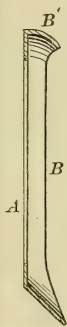
**56308**—A. S. Wilkinson—*Horse Shoe.*



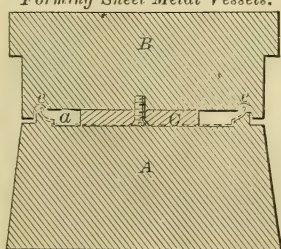
**56311**—A. S. Wilkinson—*Horse Shoe*  
*April.*



**56309**—A. S. Wilkinson—*Horse Shoe.*

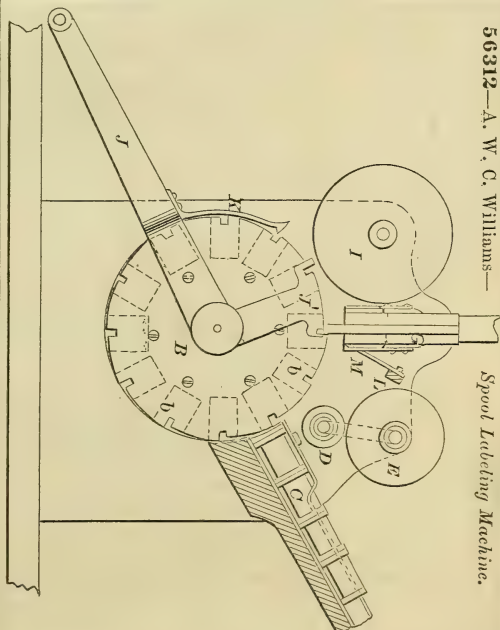


**56313**—S. R. Wilmot—*Die for Forming Sheet Metal Vessels.*



**56312**—A. W. C. Williams—

*Spool Lubricating Machine.*





56316—J Woolver—*Grain Separator.*

Fig. 1

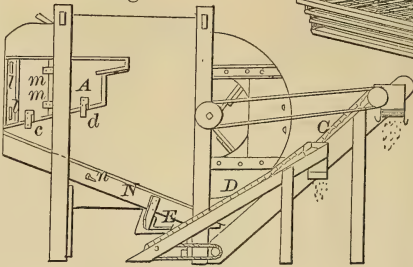
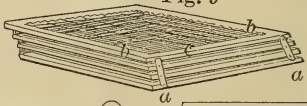


Fig. 10



Fig. 9



56315—Woodward & Smith—*Wheel Vehicle.*

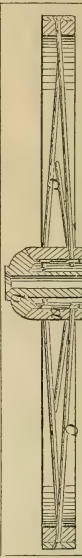
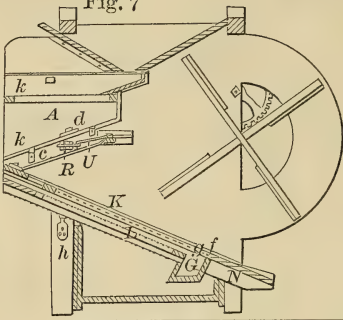
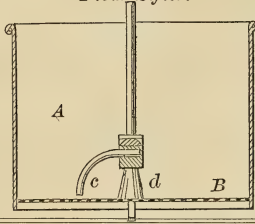


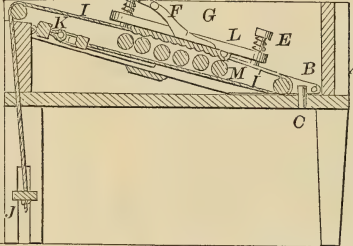
Fig. 7



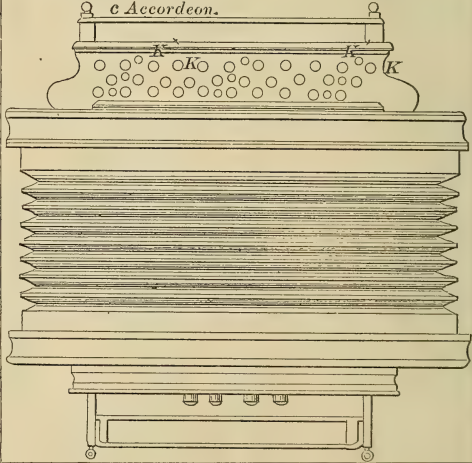
56317—Worcester & Perkins—*Flour Sifter.*



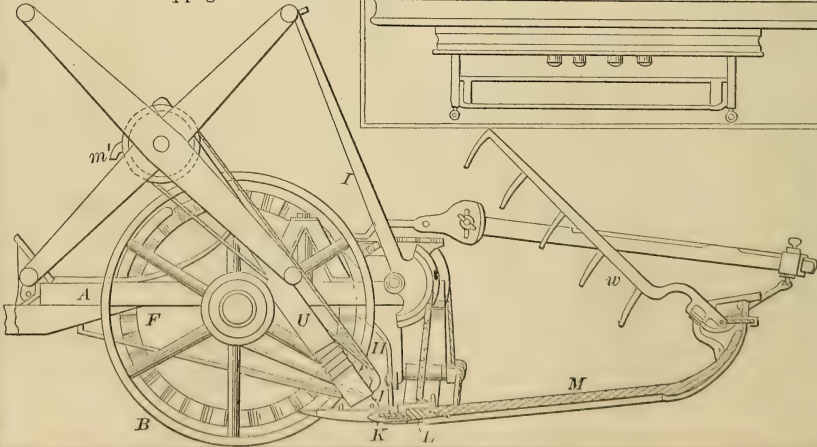
56318—R. M. Yorks—*Washing Machine.*



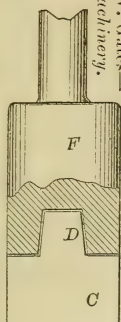
56319—C. F. Zimmermann—*c Accordeon.*



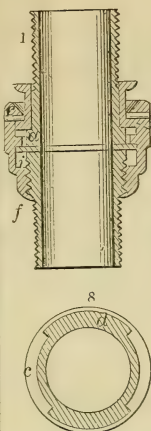
56320—F. C. Coppage—*Harvester.*



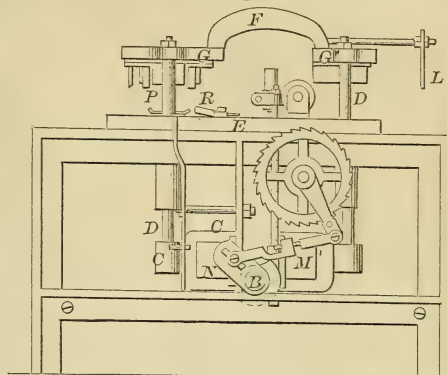
56321—F. W. Gates—  
Stamping Machinery.



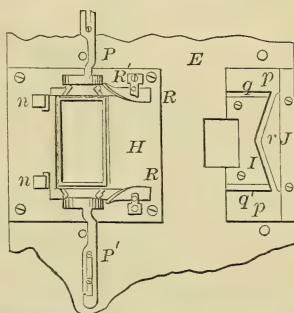
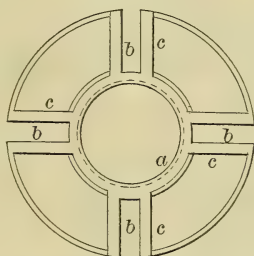
56324—J. B. Mitchell—Hose Coupling.



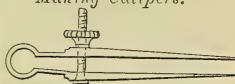
56325—R. Parks—Envelope Machine.



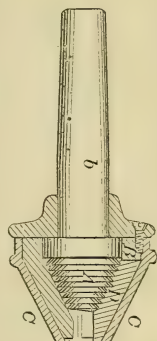
56326—D. Paterson—Flange.



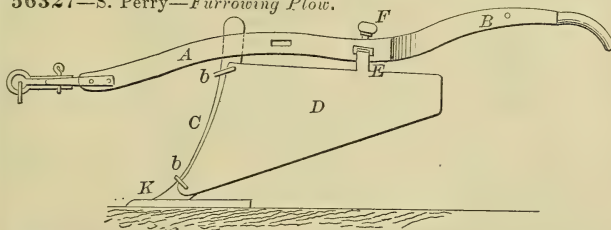
56323—J. B. Gooding—  
Making Calipers.



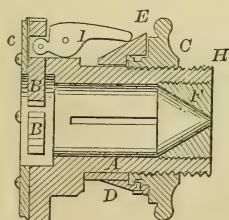
56329—I. Smith—Chuck.



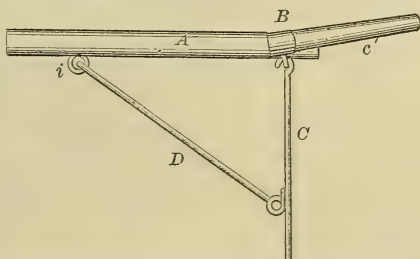
56327—S. Perry—Furrowing Plow.



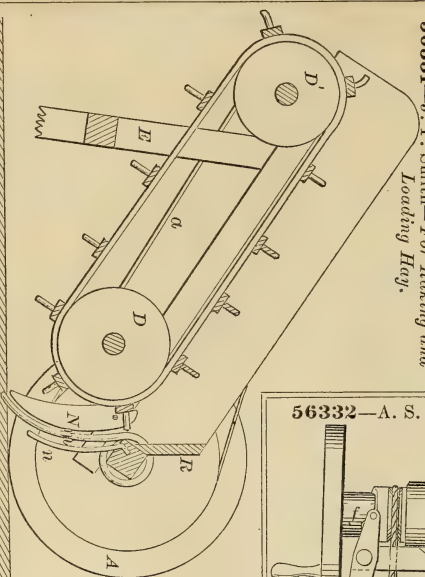
56330—I. Smith—Chuck.



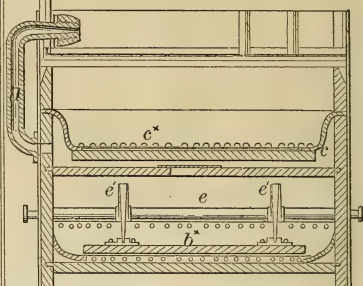
56328—M. C. Remington—Grain Fork.



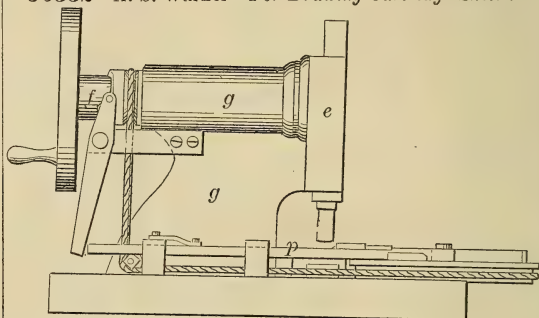
56331—J. P. Smith—For Raking and Loading Hay.



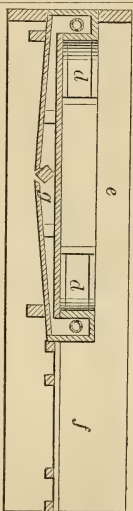
56335—J. Bowden—Bellows.



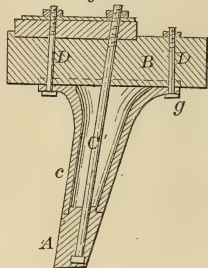
56332—A. S. Warner—For Drawing Cartridge Shells.



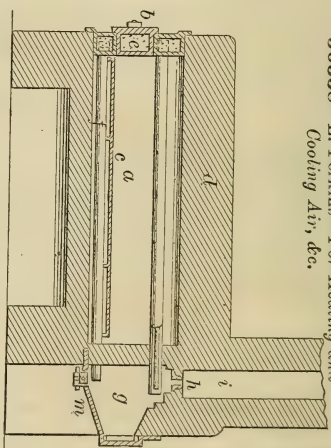
56333—G. A. Whipple—Puddling Furnace.



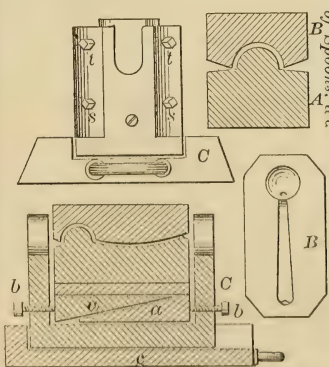
56334—M. E. Francisco—Sleigh Knee.



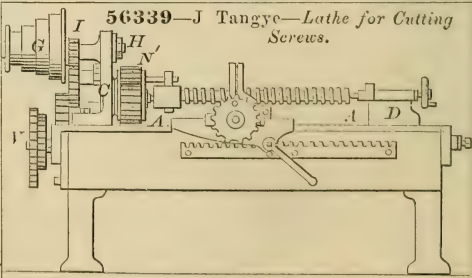
56338—L. Perkins—For Heating and Cooling Air, &c.



56337—D. J. Fleetwood—Manufacture of Spoons, &c.

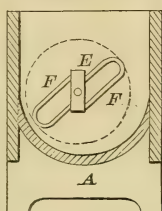


56339—J. Tangye—Lathe for Cutting Screws.





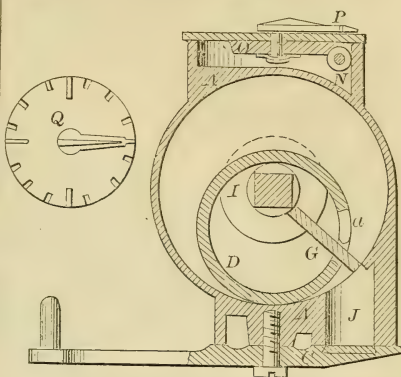
56340—J. Cooper—*Churn.*



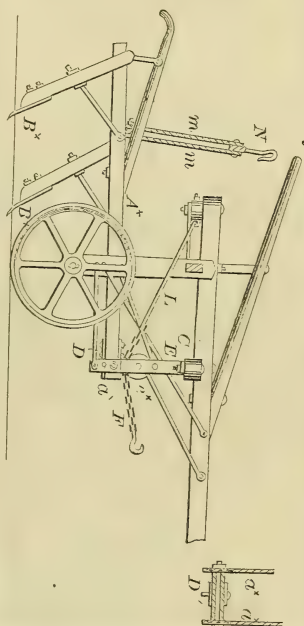
56341—T. V. Phelps—*Skirt Elevator.*



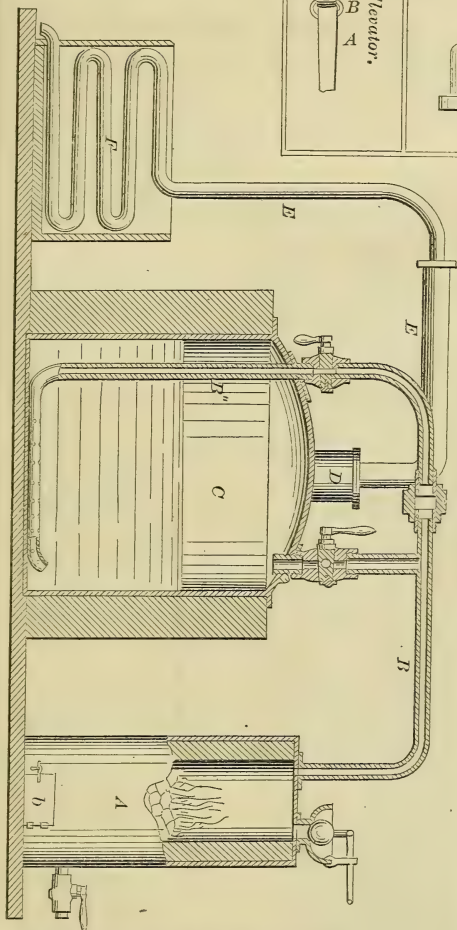
56342—J. G. Baker—*Measuring Faucet.*



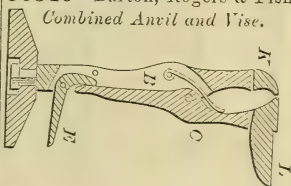
56344—L. Avery—*Cultivator.*



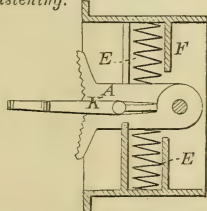
56343—Adair & Tweedle—*Distilling Liquids.*



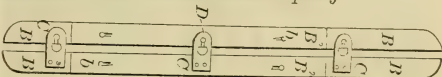
56346—Barton, Rogers & Fisher—*Combined Anvil and Vise.*



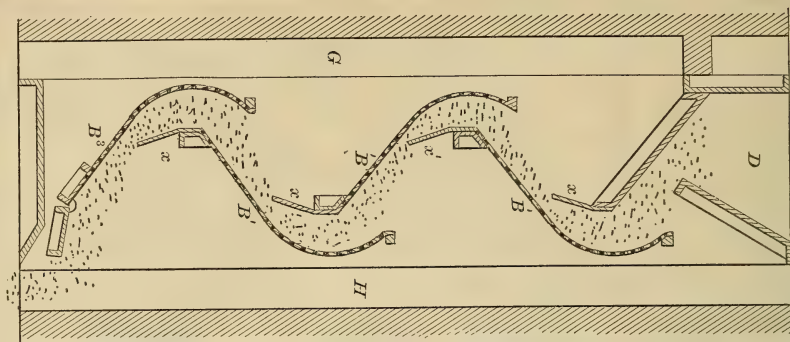
56347—B. Beach—*Sash Fastening.*



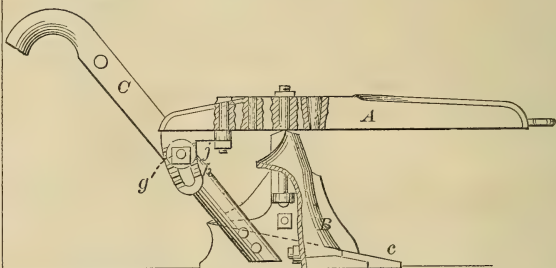
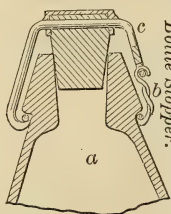
56345—S. H. Barnes—*Corset Spring.*



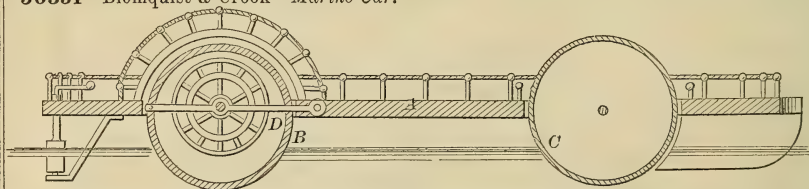
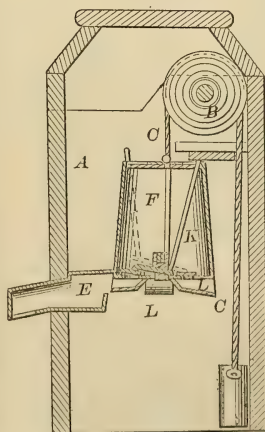
56348—H. H. Beach—Grain Dryer.



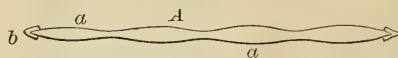
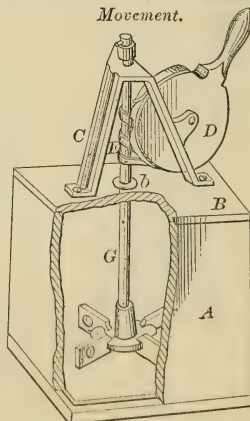
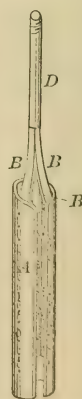
56350—C. Beidler—Plow.

56349—Beard & Fairbanks—  
Bottle Stopper.

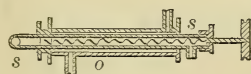
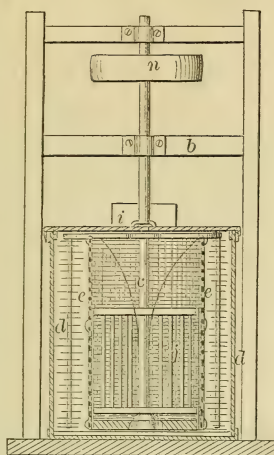
56351—Blomquist &amp; Crook—Marine Car.

56352—S. R. Boardman—  
Water Drawer.

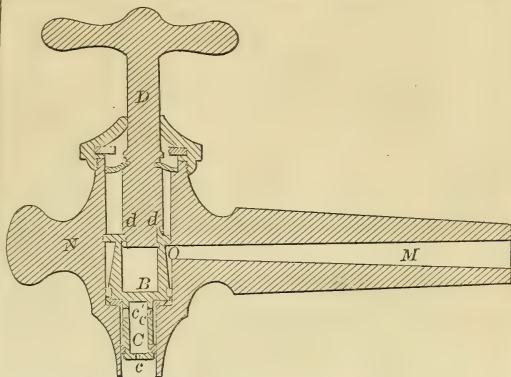
56353—Bogia &amp; Taylor—Plaster.

56354—W. Brant—Mechanical  
Movement.56355—Brewer &  
Winter—Well Tube.

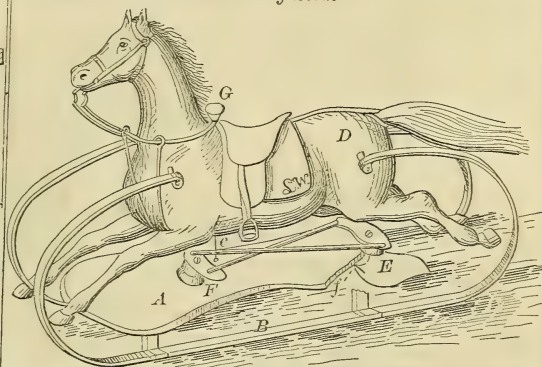
**56356**—J. Briggs—*Preparing Starch, &c.*



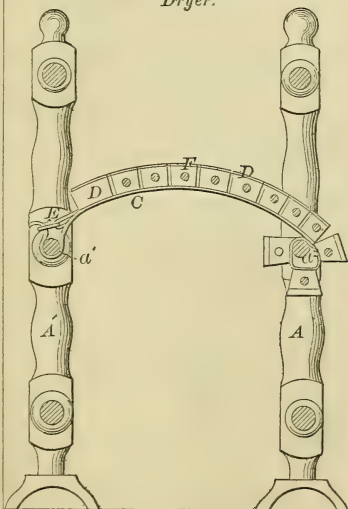
**56357**—Brown & McGhie—*Beer Faucet.*



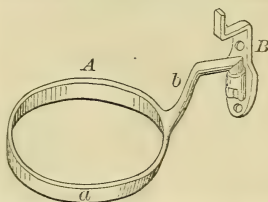
**56358**—J. H. Brown—*Toy Sled.*



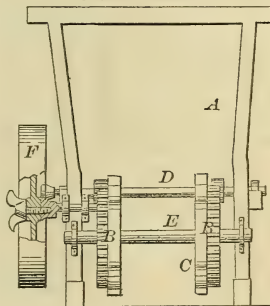
**56360**—O. C. Brown—*Clothes Dryer.*



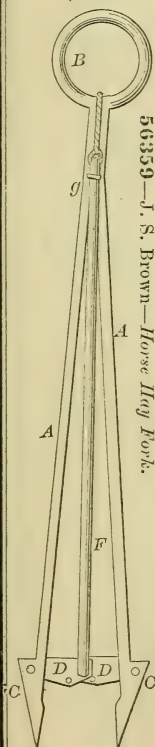
**56361**—T. W. Brown—*Bracket.*



**56362**—  
H. L. & A. J. Buckwalter—*Horse Power.*

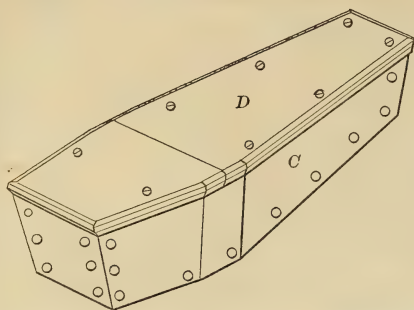


**56359**—J. S. Brown—*Horse Hay Fork.*

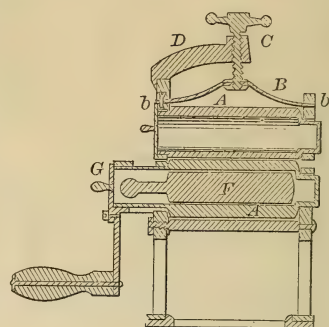




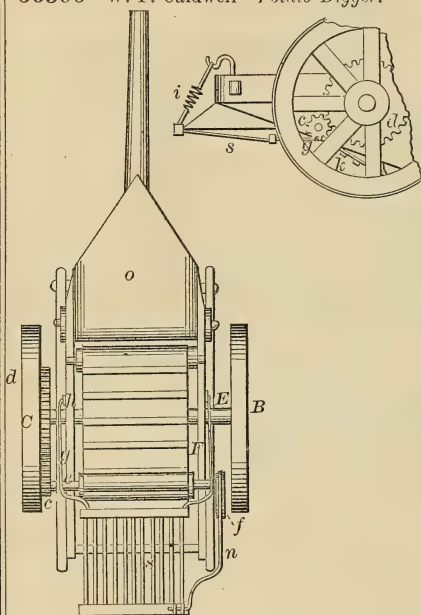
56364—J. Burns—*Coffin.*



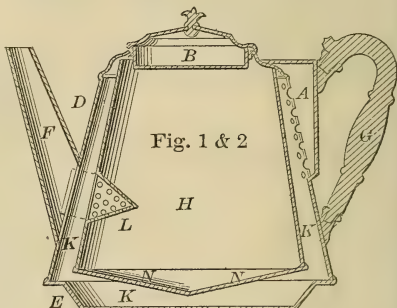
**56365**—S. G. Cabell—*Crimping Machine.*



56366—W. F. Caldwell—*Potato Digger*.



56367—R. Carter—*Tea Pot.*



56368—S. P. Chapin—*For Opening Cans.*

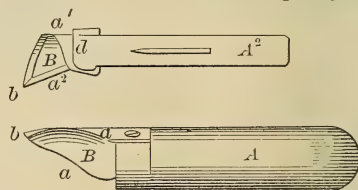
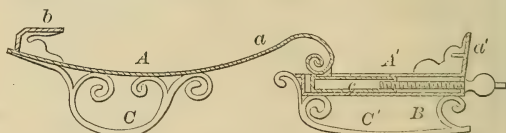
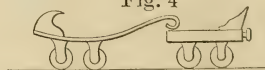
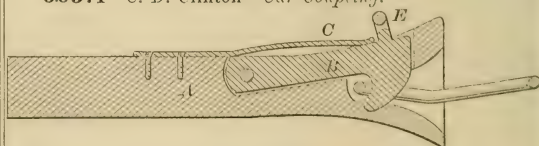
56369—E. G. Chormann—*Skate*.

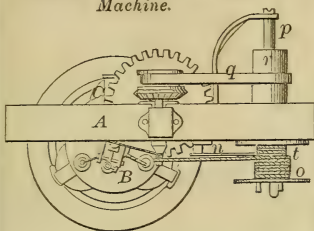
Fig. 4



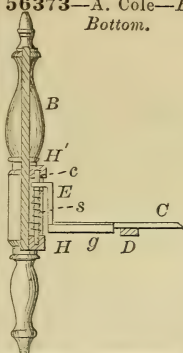
5.6371—C. D. Clinton—*Car Coupling*.



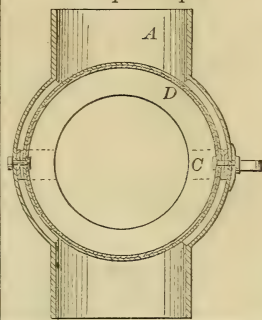
**56372**—C. Cobb—*Cordage Machine.*



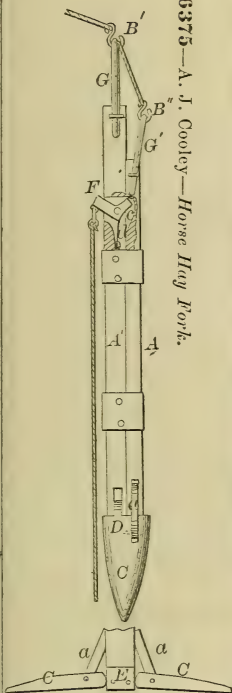
**56373**—A. Cole—*Bed Bottom.*



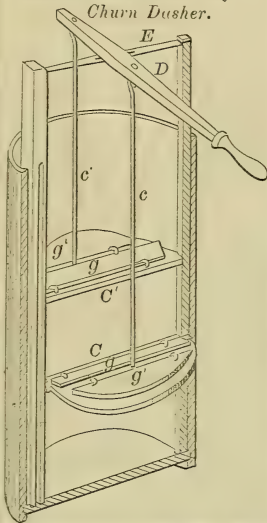
**56379**—B. F. Cowan—*Stove Pipe Damper.*



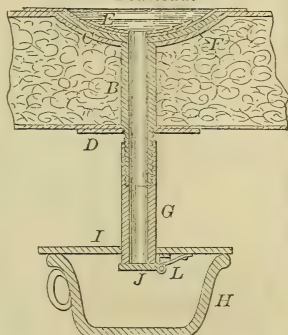
**56375**—A. J. Cooley—*Horse Hay Fork.*



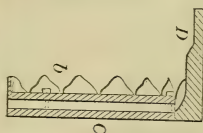
**56374**—E. G. Connelly—*Churn Dasher.*



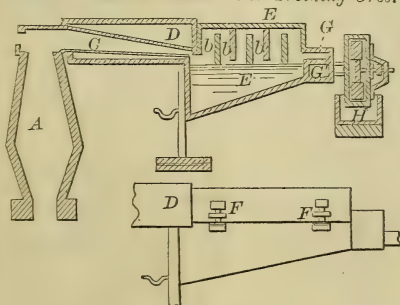
**56376**—H. Cordes—*Invalid Bedstead.*



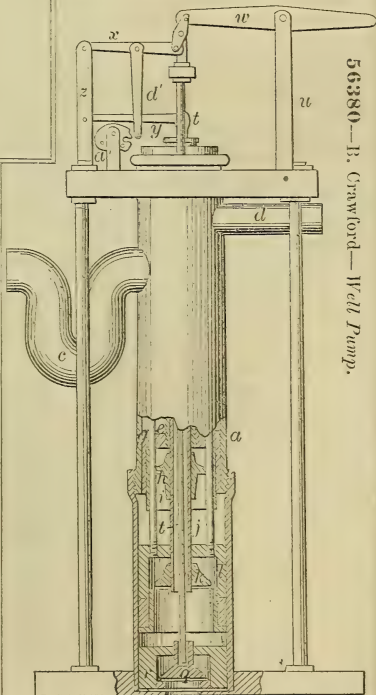
**56377**—F. T. Cordis—*Tool Holder.*



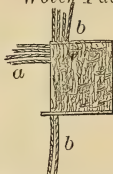
**56378**—Coults & Roach—*For Treating Ores.*



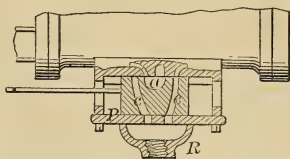
**56380**—B. Crawford—*Well Pump.*



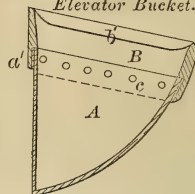
**56381**—  
G. Crompton  
Woven Fabric.



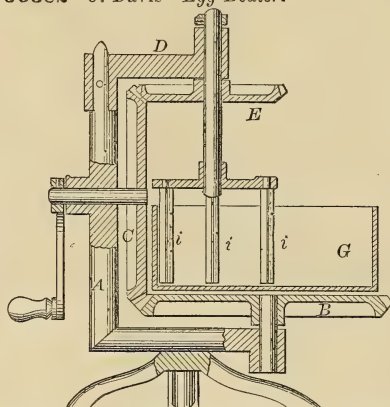
**56385**—J. B. Douherty—Slide Valve.



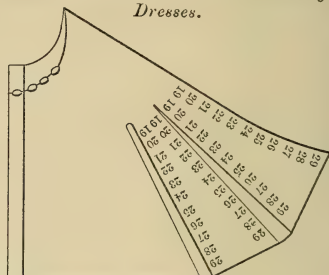
**56386**—Dorer & Storms—  
Elevator Bucket.



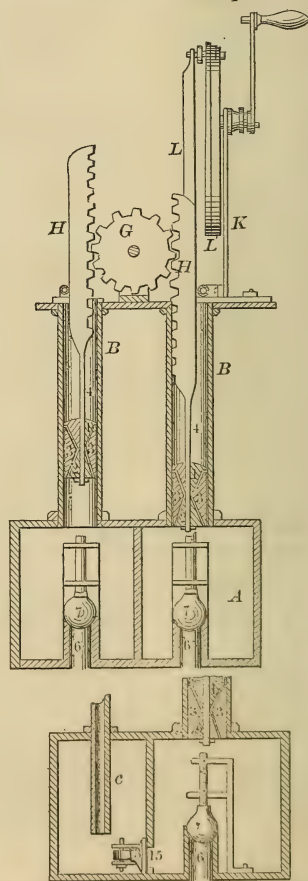
**56382**—J. Davis—Egg Beater.



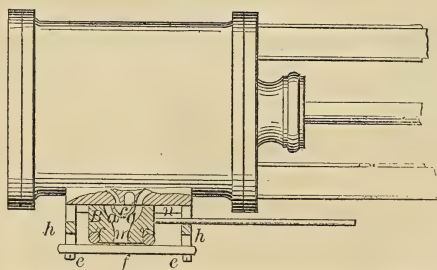
**56383**—C. Dittenhafer—For Cutting  
Dresses.



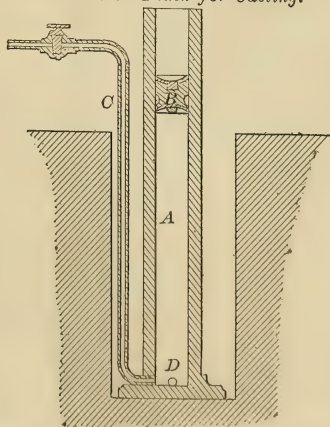
**56387**—S. S. Durbon—Pump.



**56384**—J. B. Douherty—Slide Valve.

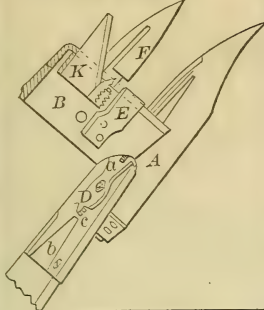


**56388**—Z. S. Durfee—Flask for Casting.

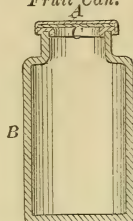




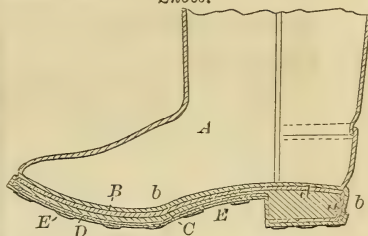
**56389**—R. Dutton—*Harvesting Machine.*



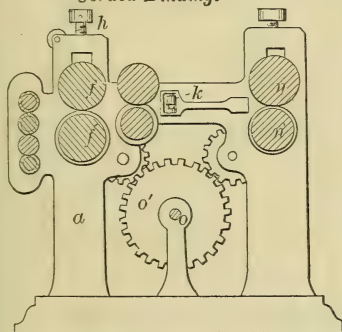
**56390**—R. F. Ellis—*Fruit Can.*



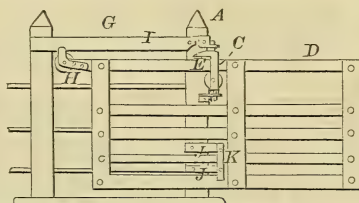
**56391**—M. R. Ethridge—*Boots and Shoes.*



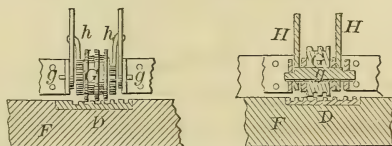
**56393**—C. A. Ensign—*For Making Corded Binding.*



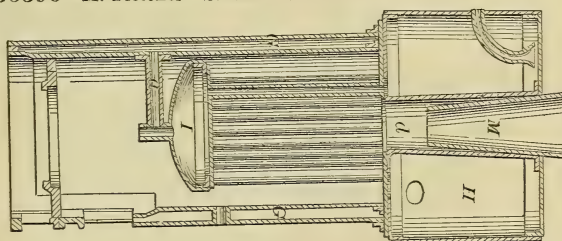
**56392**—S. F. Emerson—*Gate.*



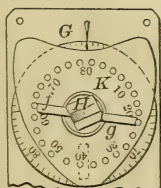
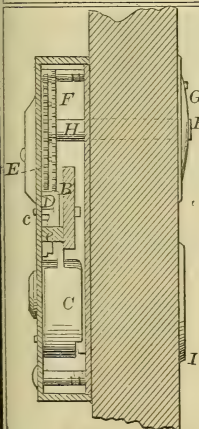
**56395**—J. H. Field—*Operating Ordnance.*



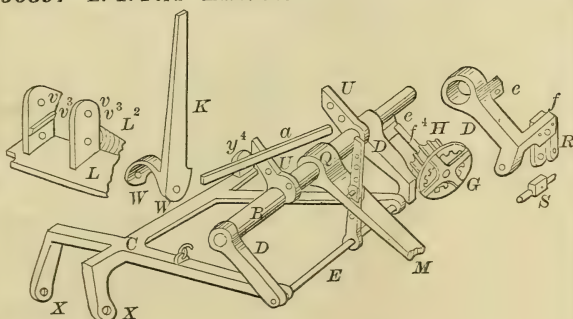
**56396**—M. Fletcher—*Steam Generator.*

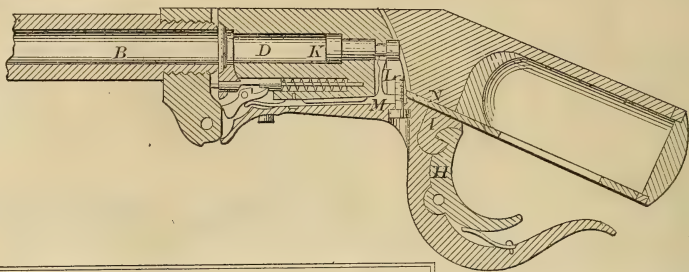
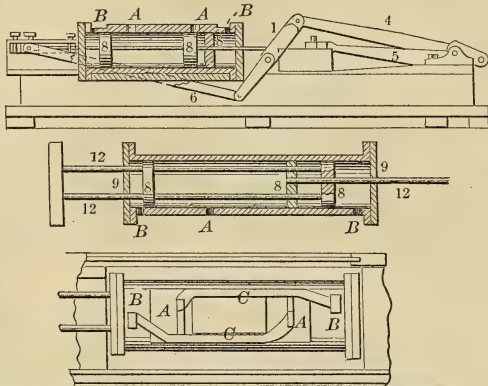
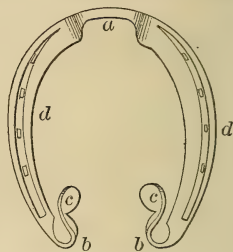
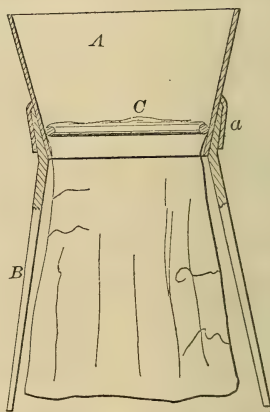
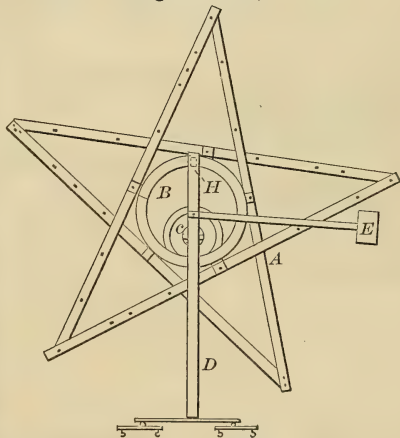
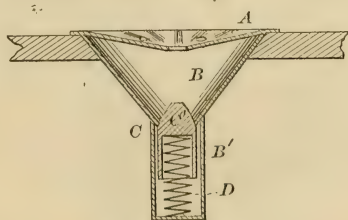
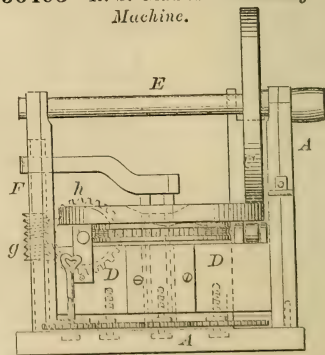


**56394**—P. S. Felter—*Lock.*

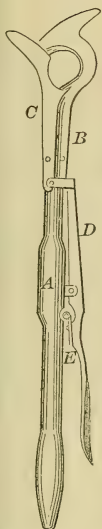


**56397**—E. T. Ford—*Harvester.*

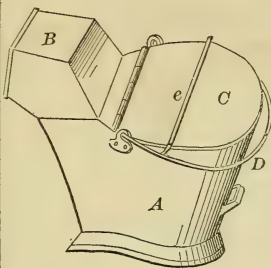


56399—G. P. & G. F. Foster—*Fire Arm.*56404—Goodrich & Edwards—*Steam Engine.*56401—E. C. Gero—*Horse Shoe.*56402—C. F. Gillett—*Bag Holder.*56405—F. Granger—*Harrow.*56400—F. H. Furniss—*Car Spittoon.*56403—R. S. Gladwin—*Grinding Machine.*

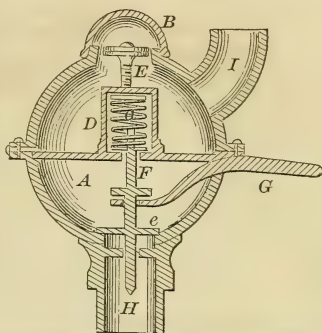
56406—J. Guckian—For Stripping and Cutting Sorghum.



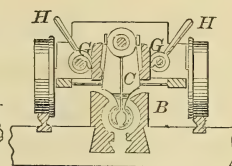
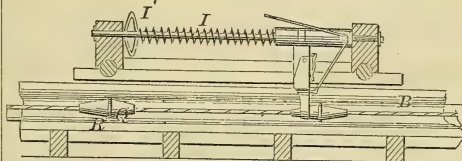
56408—E. R. Hall—Coal Hod.



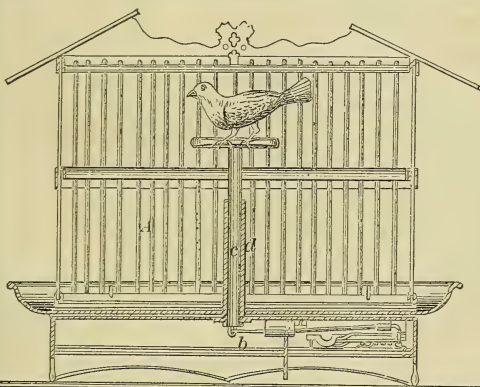
56409—E. Hamilton—Safety Valve.



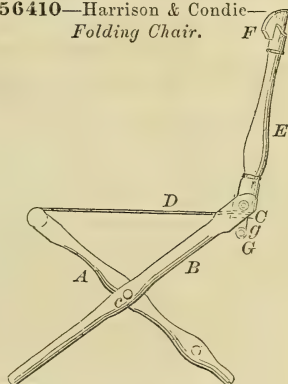
56411—C. T. Harvey—Railroad.



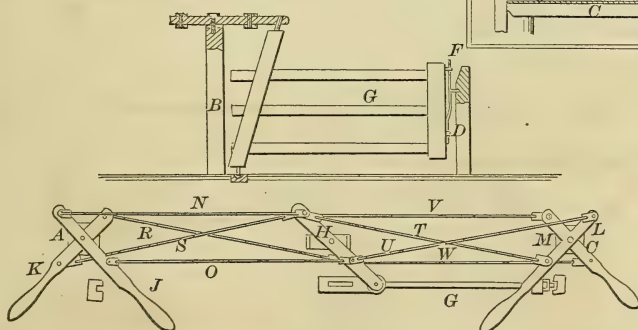
56407—G. Gunther—Bird Cage.



56410—Harrison & Condie—Folding Chair.

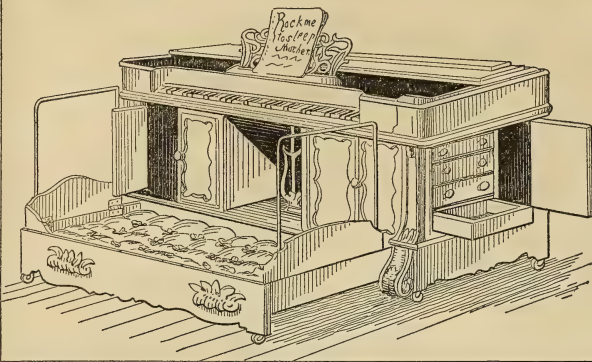


56412—Hawley & Murdock—Gate.

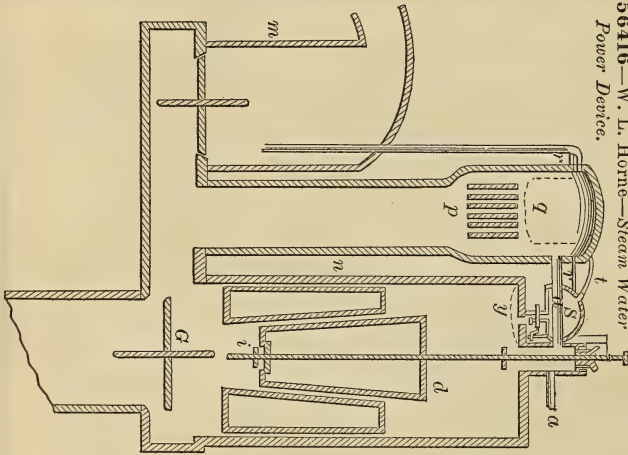




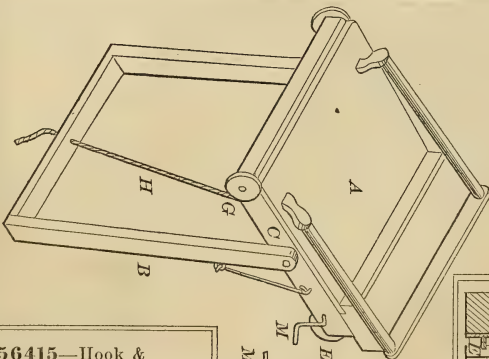
56413—C. Hess—Piano, Couch and Bureau.



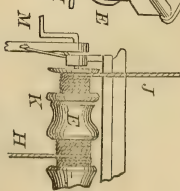
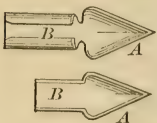
56416—W. L. Home—Steam Water Power Device.



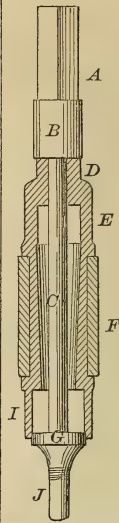
56417—W. L. Home—Fire Escape.



56415—Hook &amp; Adams—Eraser.



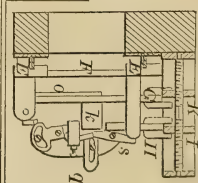
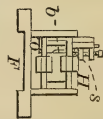
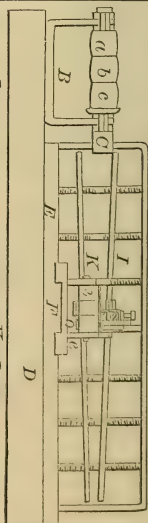
56414—I. W. Hoagland—Pump Piston.



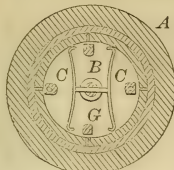
56418—R. B. Huginn—Roller for Clothes Wringer's.



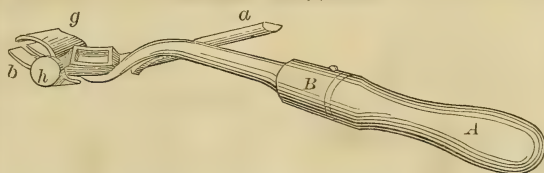
56419—I. Hull—Lathes.



56420—L. Hunton—*Piston.*



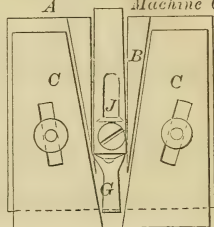
56423—T. C. Law—*Stove Hook, &c.*



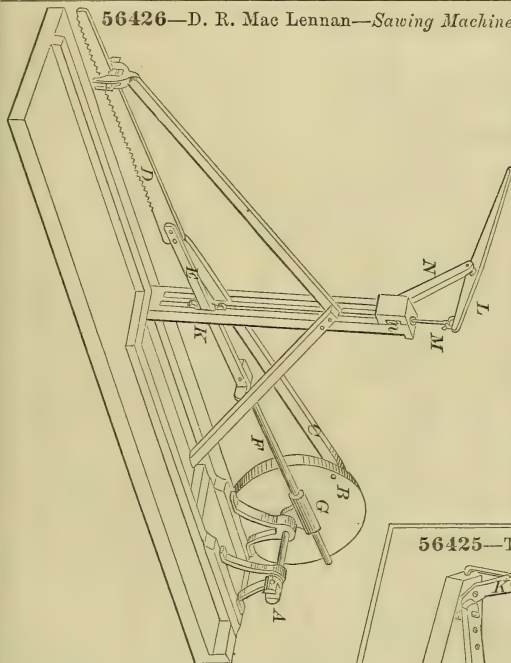
56421—M. E. Hurley—*Needle for Caning Chairs.*



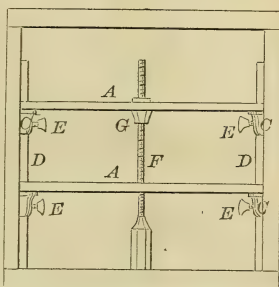
56424—C. Livingston—*Planing Machine Cutter.*



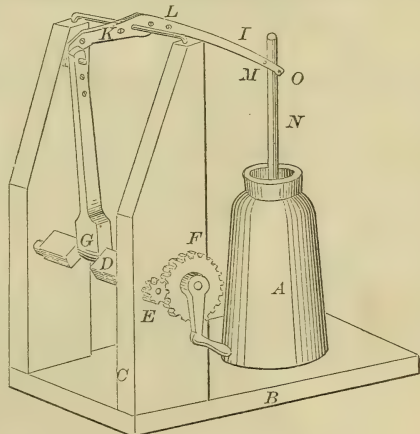
56426—D. R. Mac Lennan—*Sawing Machine.*



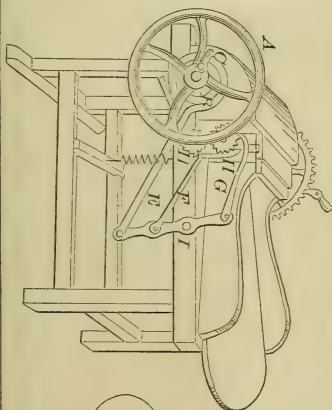
56422—S. L. Latta—*Store Shelf.*



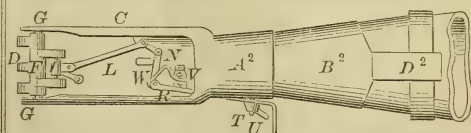
56425—T. E. Lockwood—*Churn.*



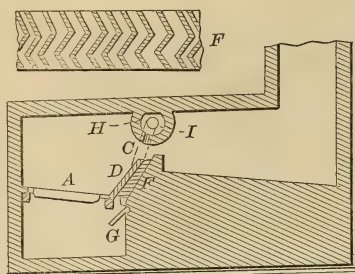
56428—J. Marchant—*Straight Cutter.*



56427—J. F. Maguire—*Artificial Hand.*



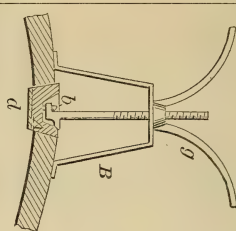
**56429**—O. F. Mayhew—*Puddling Furnace.*



**56434**—W. B. Moore—*Broom Head.*

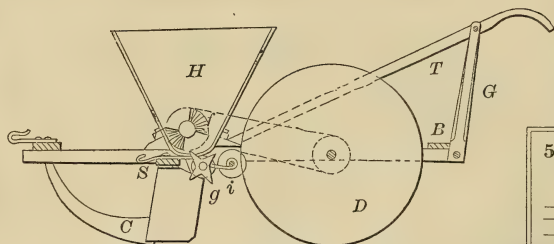


**56435**—Morrison & Betts—*Well Pump.*

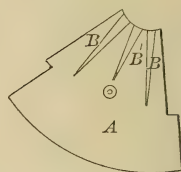


**56431**—Meyers & Webb—*Extracting Bungs.*

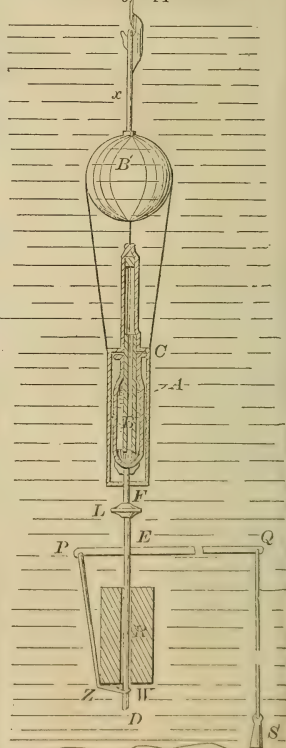
**56430**—I. W. McGaffey—*Cotton Seed Planting Machine.*



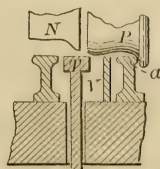
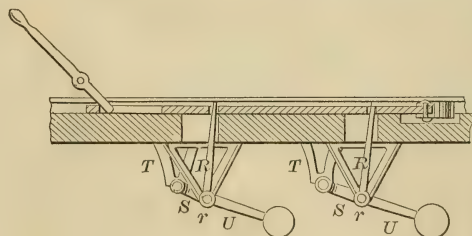
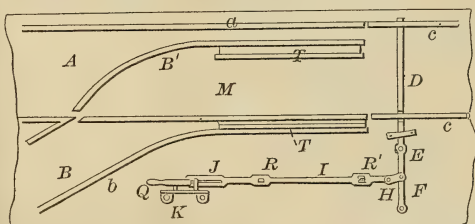
**56433**—A. Moore—*Quartz Mill.*



**56436**—S. E. & G. L. Morse—*Sounding Apparatus.*

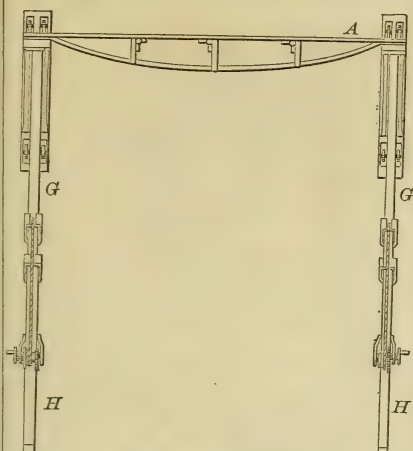


**56432**—T. S. Mitchell—*Railroad Switch.*

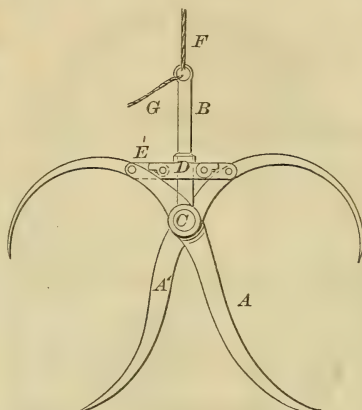




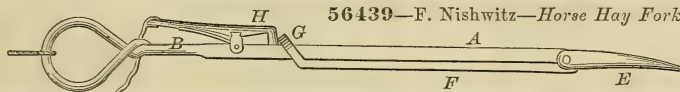
56437—Newbanks & Powel—Scaffold.



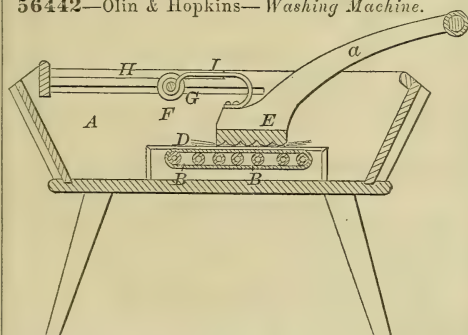
56440—Nishwitz & Hyers—Horse Hay Fork.



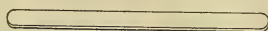
56439—F. Nishwitz—Horse Hay Fork.



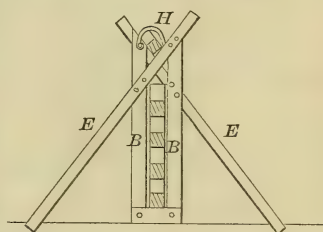
56442—Olin & Hopkins—Washing Machine.



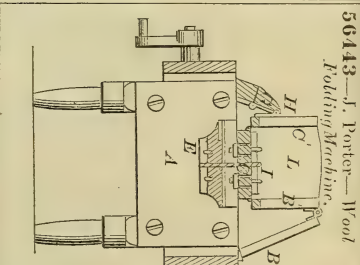
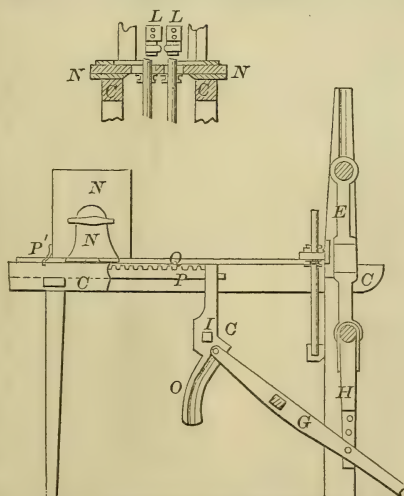
56438—J. L. Newton—Wearing Apparel.



56441—A. W. Olds—Fence.

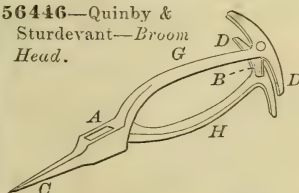


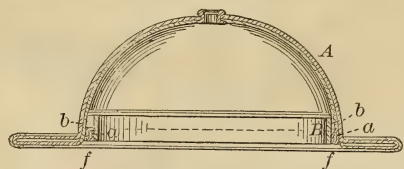
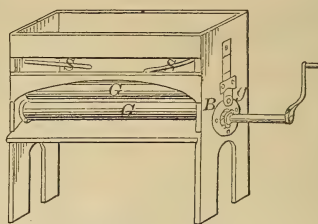
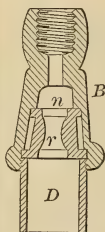
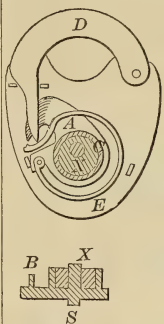
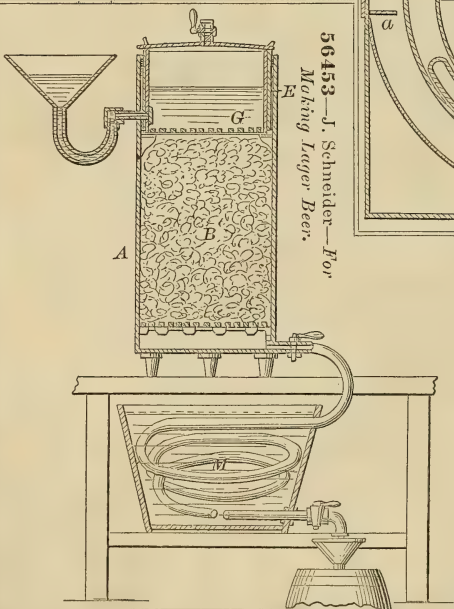
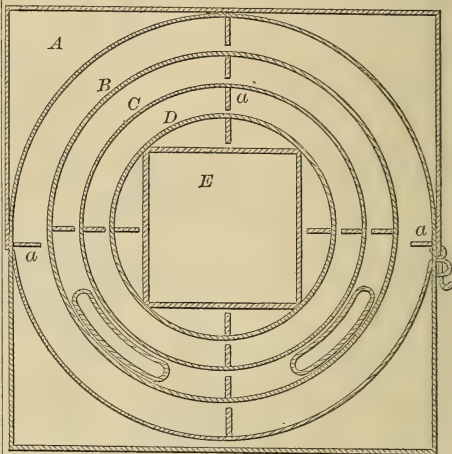
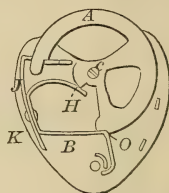
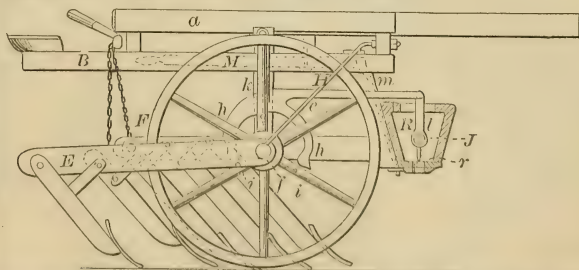
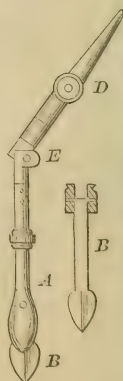
56445—W. Pruett—Tenon Machine.



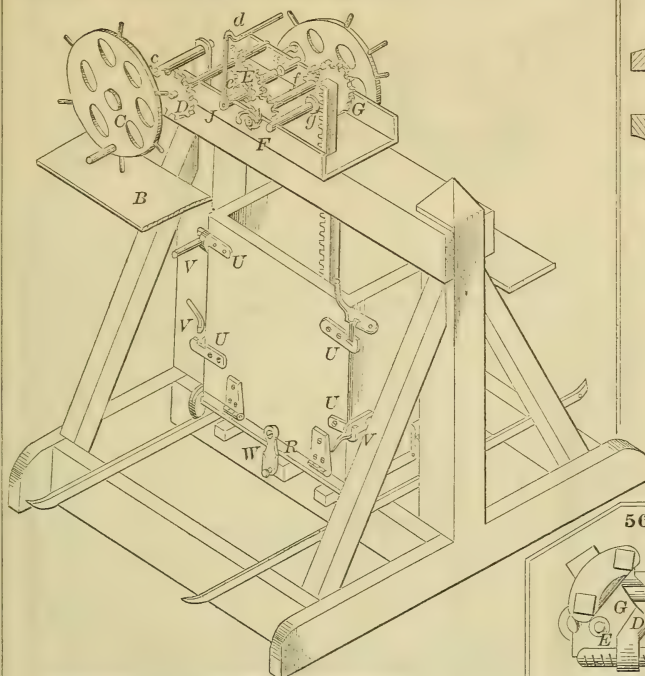
56443—J. Porter—Wool Rolling Machine.

56446—Quinby & Sturdevant—Broom Head.

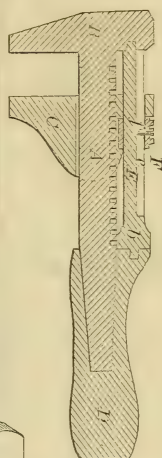


56447—C. L. Rahmer—*Hat*.56449—O. Reeves—*Clothes Wringer*.56448—T. L. Reed—*Coupling for Gas Pipes*.56450—C. W. Saladee—*Padlock*.56452—R. S. Sanborn—*Safe*.56453—J. Schneider—*For Making Lager Beer*.56451—Saladee & Armstrong—*Padlock*.56454—S. C. Schofield—*Seeder and Cultivator*.56455—J. Schott—*Pen and Eraser*.

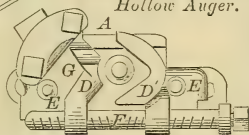
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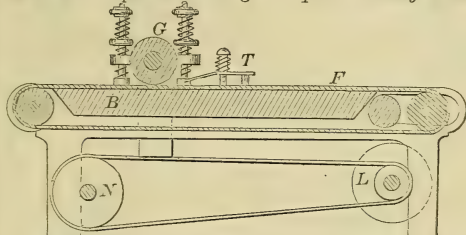
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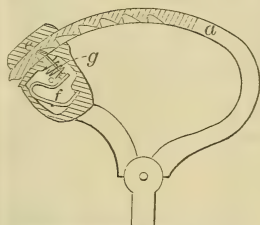
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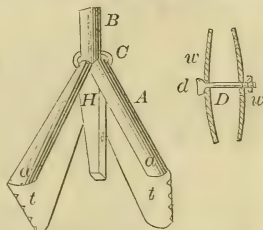
56457—Shepherd & George—Paper Polishing Machine.



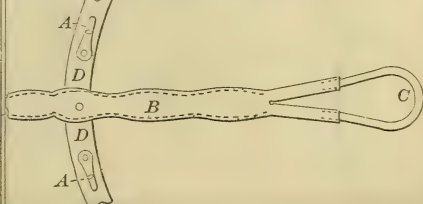
56463—O. C. Phelps—Handcuff.



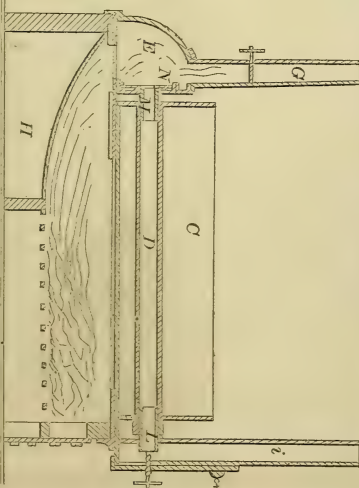
56461—Paine & Caviness—Broom Head.



56462—W. Peabody—Harness.

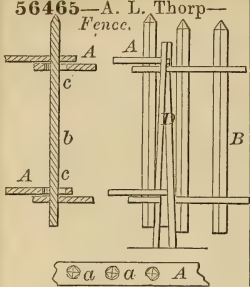


56464—E. W. Taylor—Elevator.

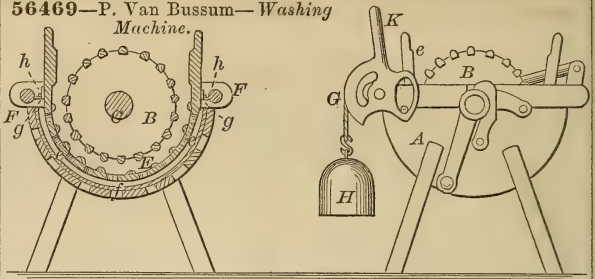




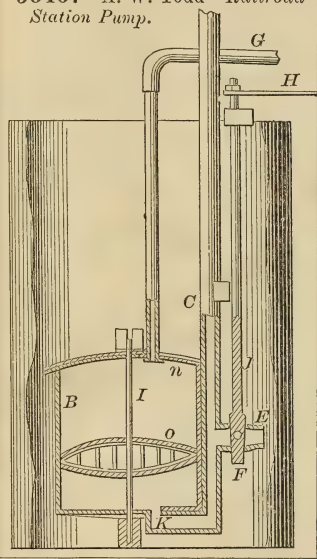
56465—A. L. Thorp—  
*Fence.*



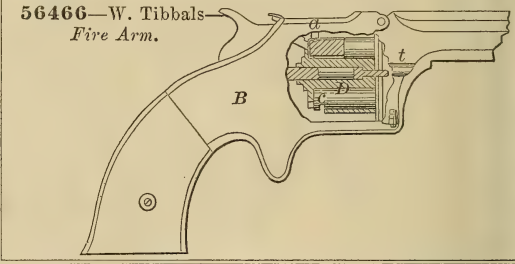
56469—P. Van Bussum—*Washing Machine.*



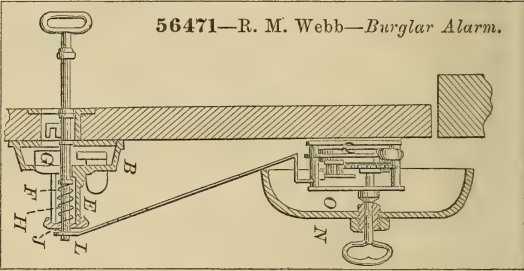
56467—A. W. Todd—*Railroad Station Pump.*



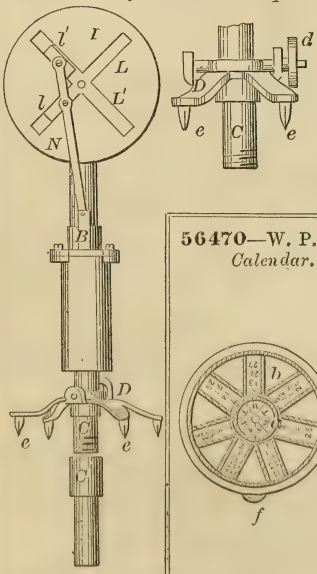
56466—W. Tibbals—*Fire Arm.*



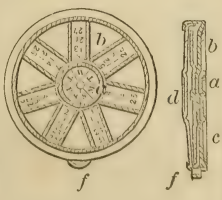
56471—R. M. Webb—*Burglar Alarm.*



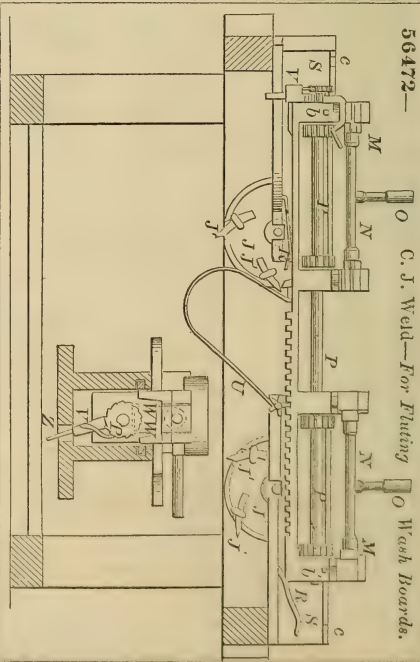
56468—Tully & Reece—*Pump.*



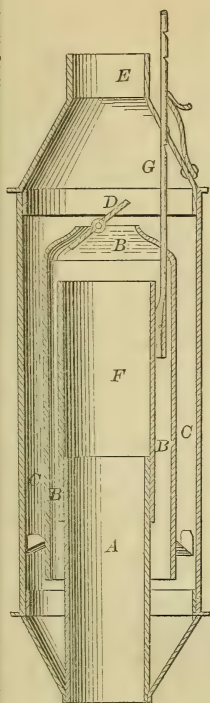
56470—W. P. Ware—*Calendar.*



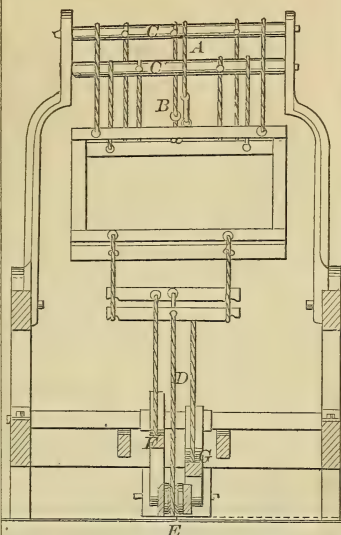
56472—C. J. Weld—*For Fluting Wash Boards.*



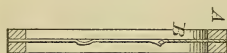
56473—C. C. Webber—*Store Pipe Drum.*



56474—J. Welsh—*Loom.*



56475—A. S. Wilkinson—*Horse Shoe.*



56476—A. S. Wilkinson—*Horse Shoe.*

Fig. 1

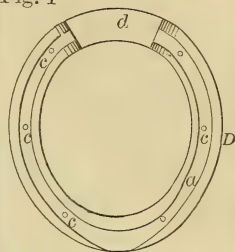
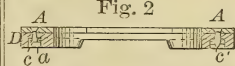
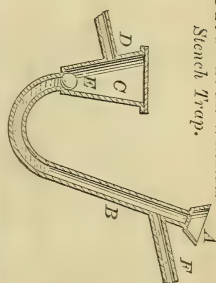


Fig. 2



56478—F. H. Williams—*Stench Trap.*



56477—A. S. Wilkinson—*Horse Shoe.*

Fig. 1

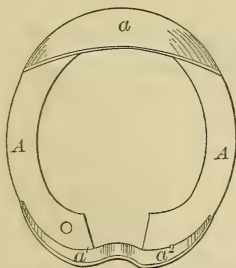
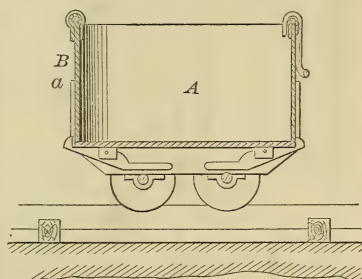


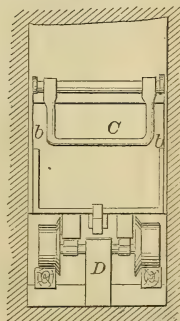
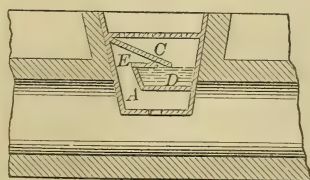
Fig. 2



56480—G. Williams—*Car for Mines.*



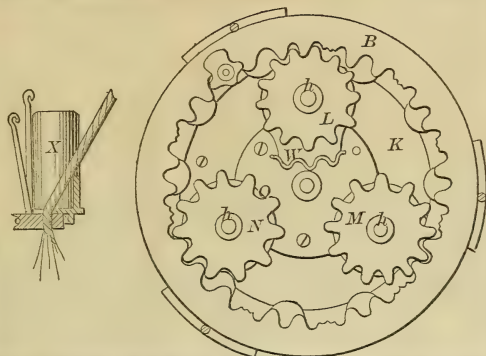
56479—F. H. Williams—*Stench Trap.*



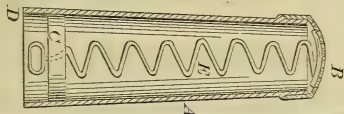




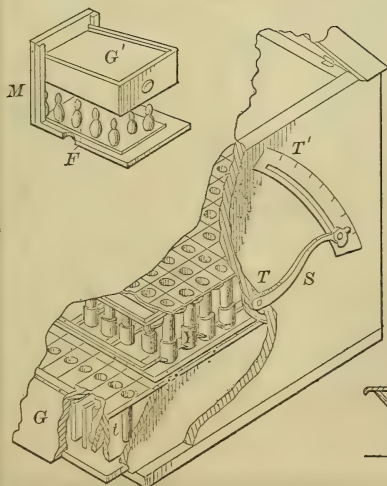
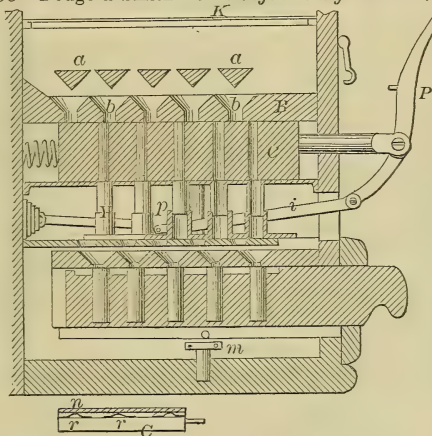
56485—Continued.



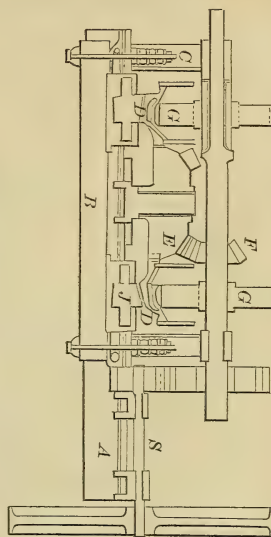
56486—B. Beach—Castor Bottle.



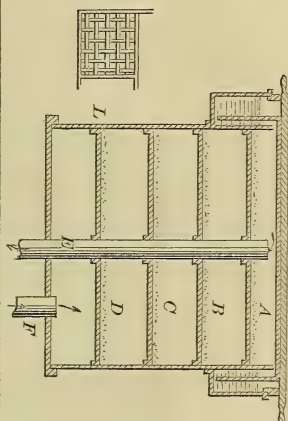
56489—Dodge & Smith—Cartridge Filling Machine.



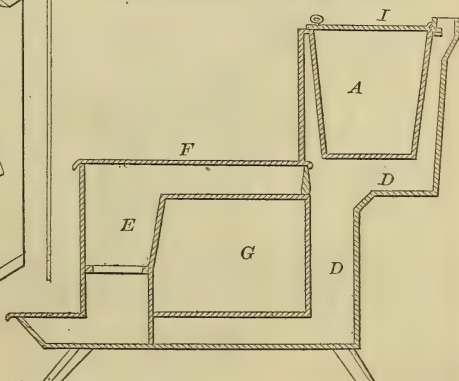
56487—S. W. Bullock—Quartz Mill.



56490—E. Duffee—Screen for Gas Purifiers.

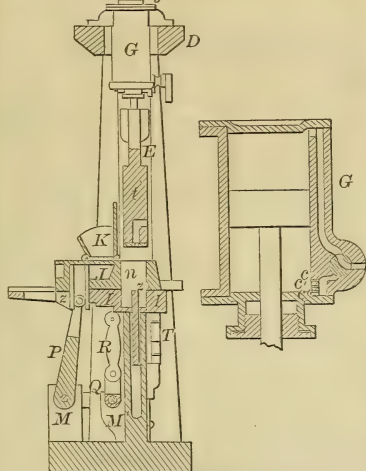


56488—E. Bussey—Cooking Stove.

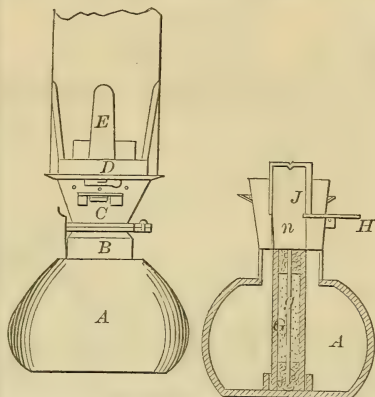




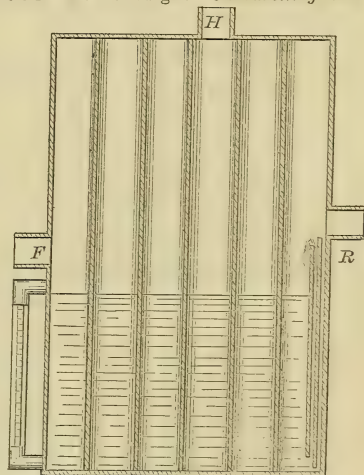
**56496**—Greacen, Foster & Cooper—*For Moulding Materials.*



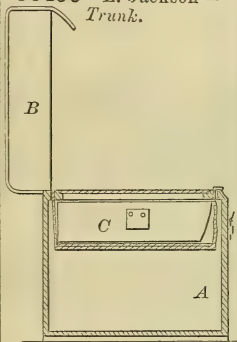
**56497**—B. J. Hoffacker—*Lamp.*



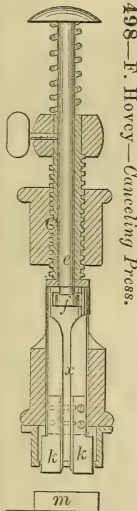
**56503**—W. M. Wright—*Carburetting Gas.*



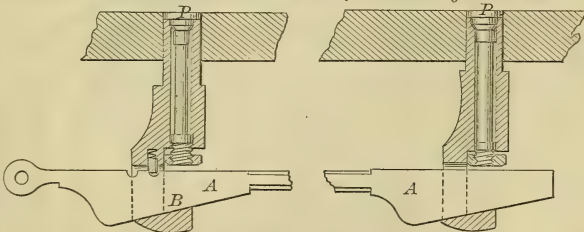
**56499**—L. Jackson—*Trunk.*



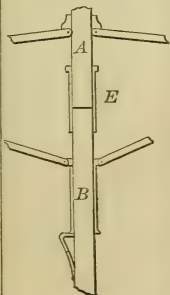
**56498**—F. Hovey—*Canecling Press.*



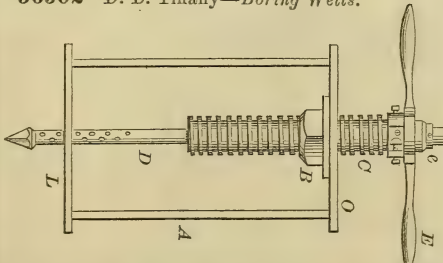
**56500**—Kimball & Norcott—*Valve for Steam Cylinders.*



**56501**—G. B. Lego—*Umbrella.*



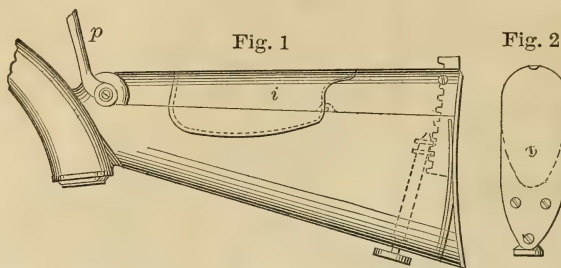
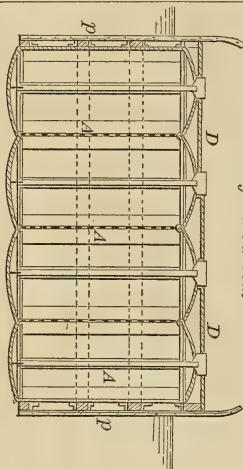
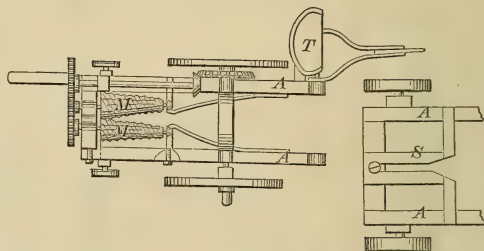
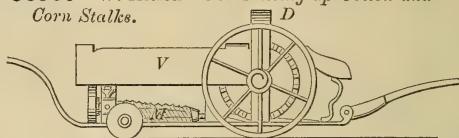
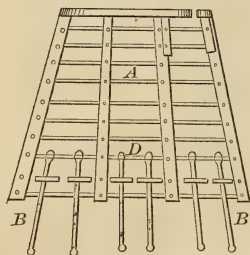
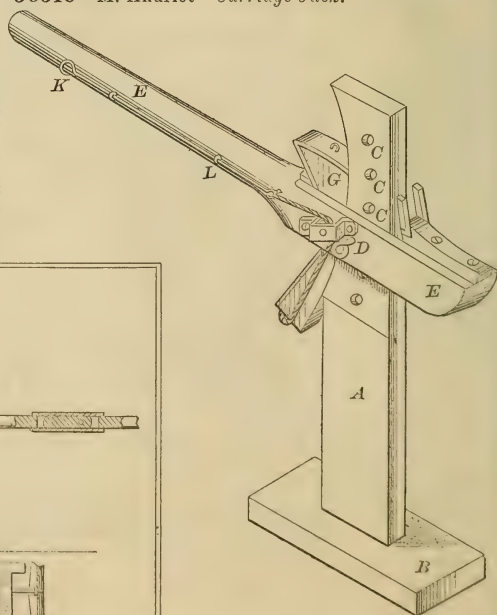
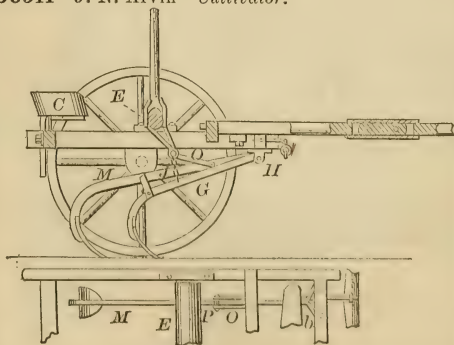
**56502**—D. B. Tiffany—*Boring Wells.*



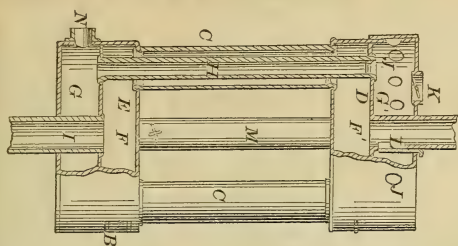
**56504**—Boulton & Worthington—*Manufacturing Tiles, &c.*





56506—C. W. Jones—*Fire Arm.*56507—R. Keck—*For Slicing Mirrors.*56508—P. C. P. L. Prefontaine—*Storing Hydro Carbon.*56509—W. Altick—*For Pulling up Cotton and Corn Stalks.*56512—J. E. Atwood—*Hoop Skirt.*56510—M. Andriot—*Carriage Jack.*56511—J. N. Arvin—*Cultivator.*

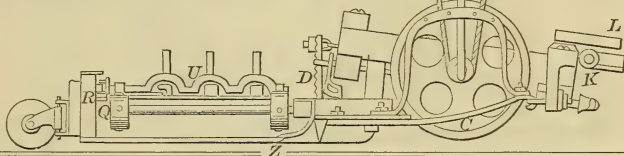
56514—F. A. Balch—Stove Pipe Drum.



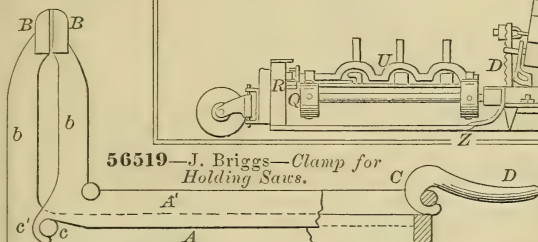
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S. D. Baldwin—  
Sash Supporter.



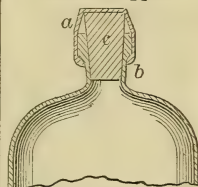
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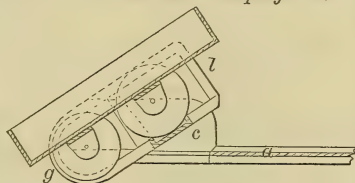
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Holding Saws.



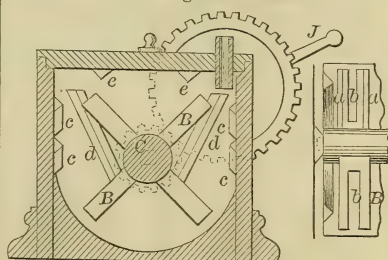
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Bottle Stopper.



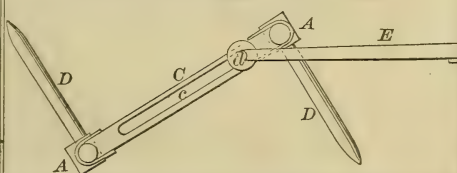
56518—J. Braidwood—Dumping Car.



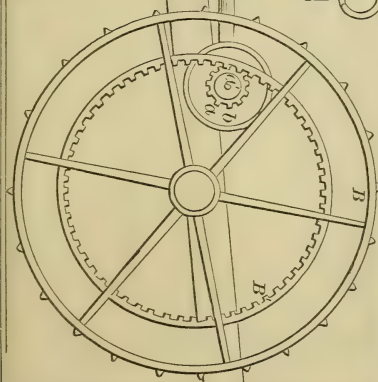
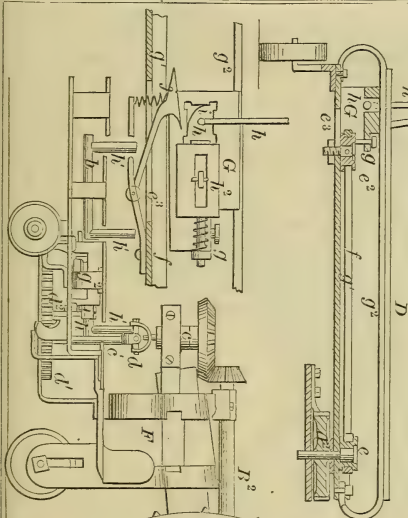
56520—G. N. Brigham—Churn.



56517—J. N. Baxter—Horse Rake.



56522—R. Bryson—Reaping Machine.



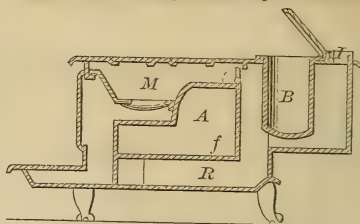
56523—H. Burk—Clothes Washing Rubber.



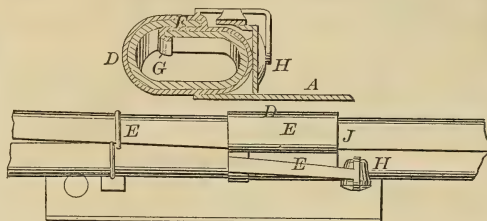
56524—E. F. Burrows—Garter.



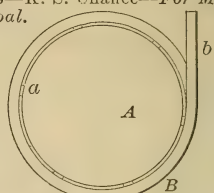
56525—E. Bussey—Cooking Stove.



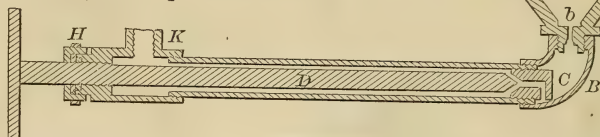
56527—J. T. Capewell—Sewing Machine Guide.



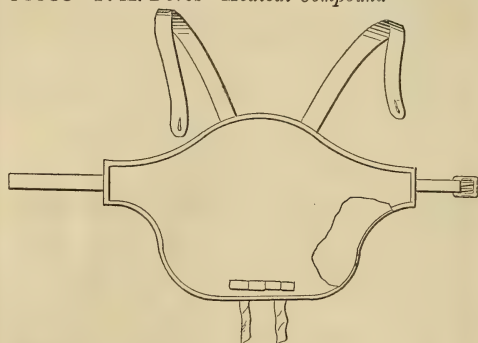
56528—K. S. Chaffee—For Making Charcoal.



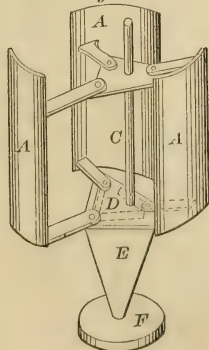
56530—S. Child, Jr.—Vapor Stove.



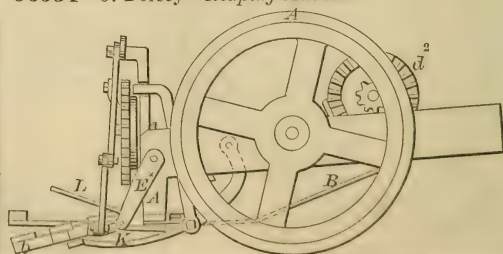
56533—P. M. Devos—Medical Compound



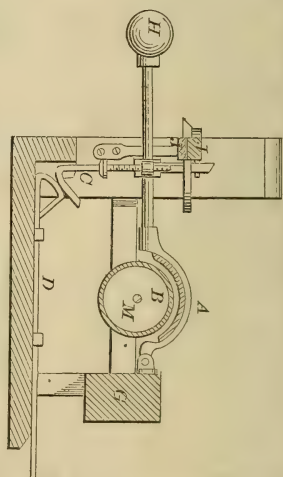
56531—J. K. Cook—For Soldering Cans.



56534—O. Dorsey—Reaping Machine.

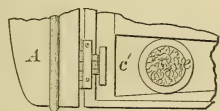
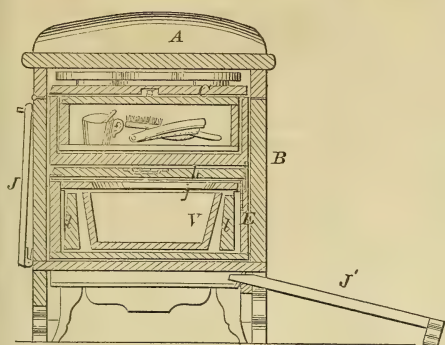


56532—C. Dawson—Spinning Jack.

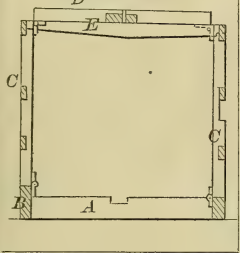




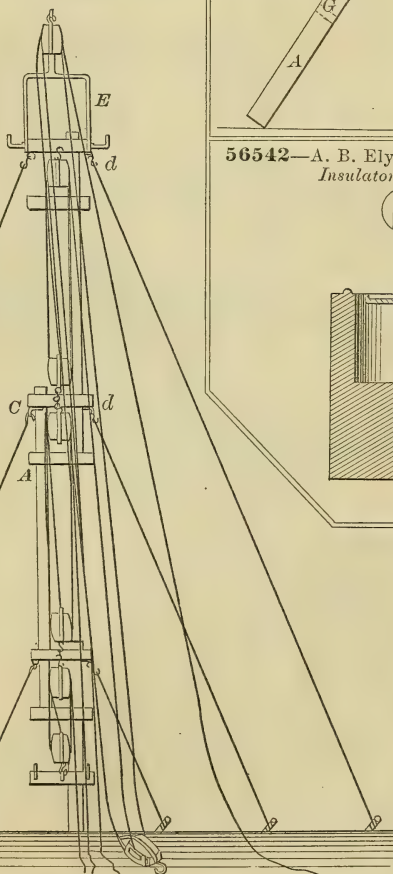
**56535**—J. H. Doughty—*Blacking Case and Night Chair.*



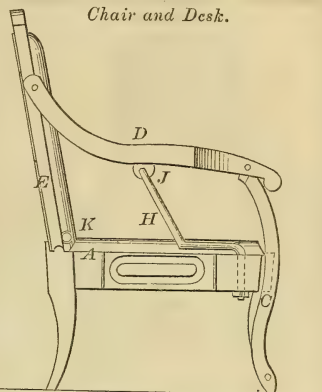
**56541**—B. F. Elliott—*Grape Trellis.*



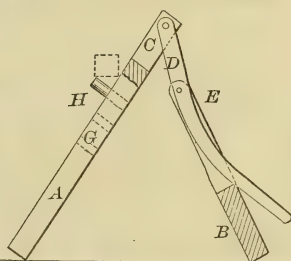
**56536**—J. Dow—*Signal Tower.*



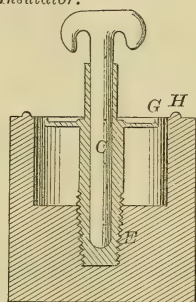
**56540**—W. A. Ehlman—*Combined Chair and Desk.*



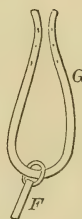
**56538**—A. Dunn—*Wagon Jack.*



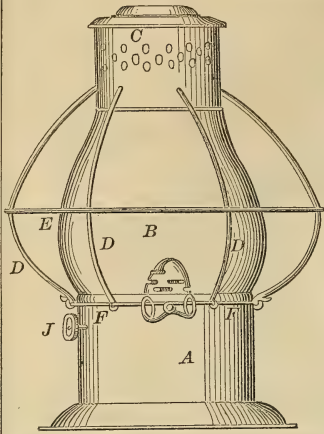
**56542**—A. B. Ely—*Telegraphic Insulator.*



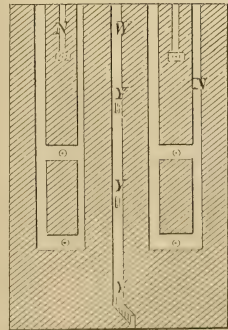
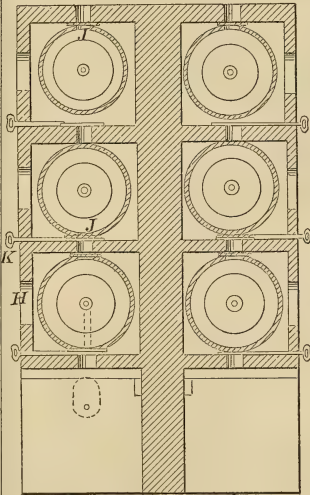
**56537**—J. Dubree—*Hitching Strap.*



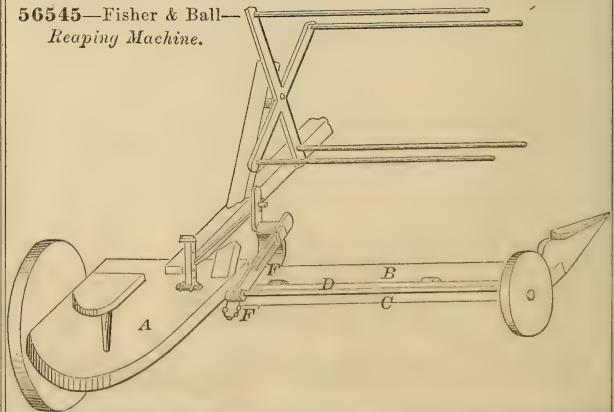
**56543**—C. Engelskircher—*Hand Lantern.*



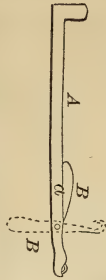
**56549**—E. Gaussoin—*Treating Ores with Chlorine.*



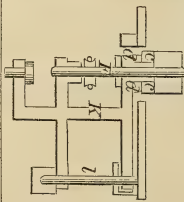
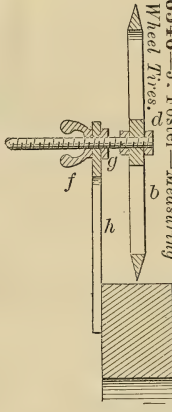
**56545**—Fisher & Ball—*Reaping Machine.*



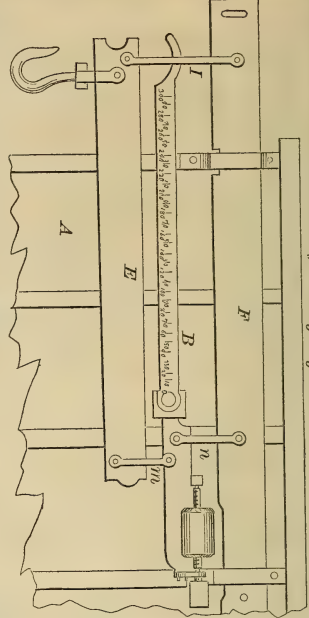
**56544**—L. W. Fifield—*Knitting Machine Needle.*



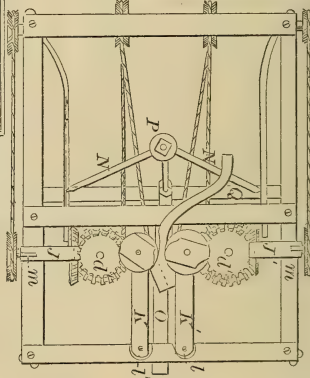
**56546**—J. Foster—*Measuring Wheel Types.*



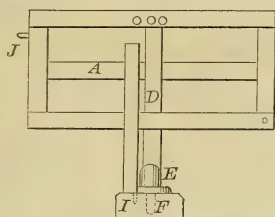
**56547**—T. T. Fowler—*Scale for Weighing Ice.*



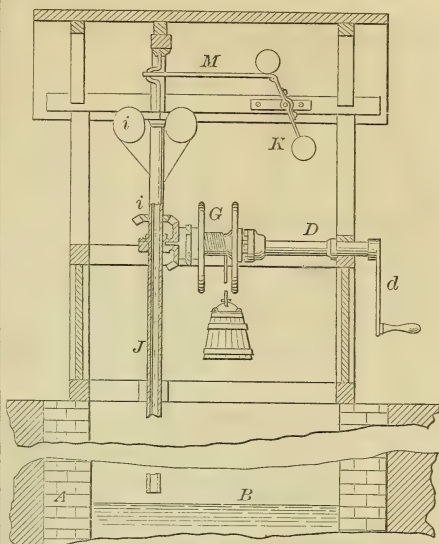
**56548**—J. Garfield—*Planing Machine.*



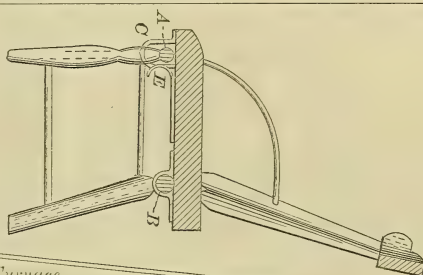
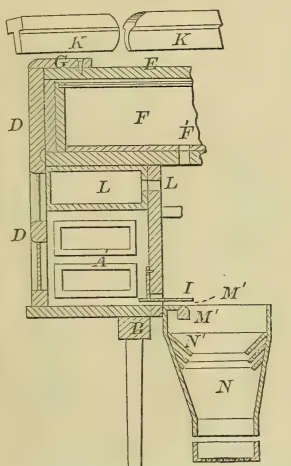
56550—F. Gay—Farm Gate.



56553—G. Gullmann—Elevator for Wells.

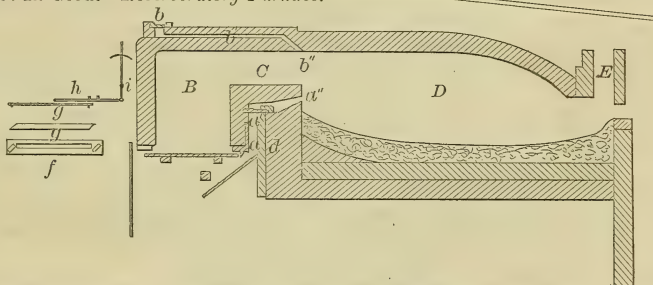


56551—G. Graffham—Beehive.

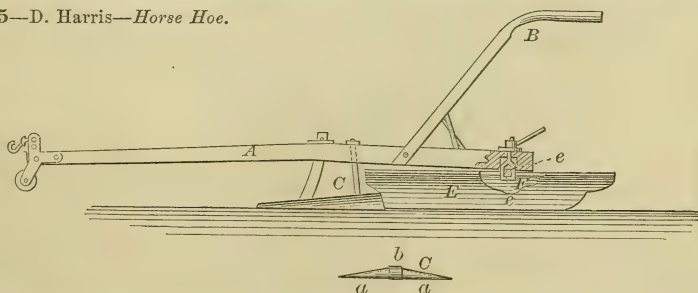


56554—J. Habermehl—Chair.

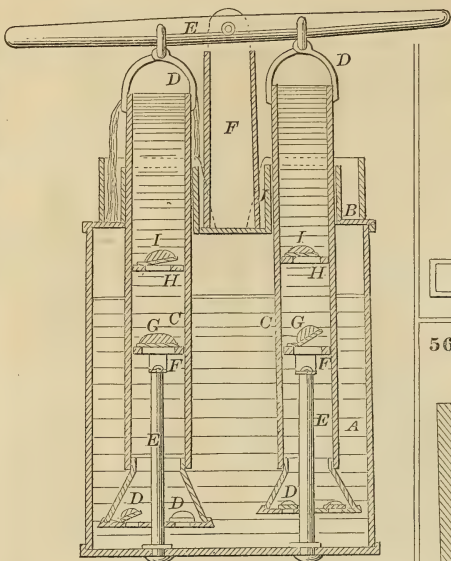
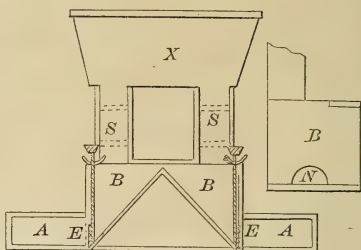
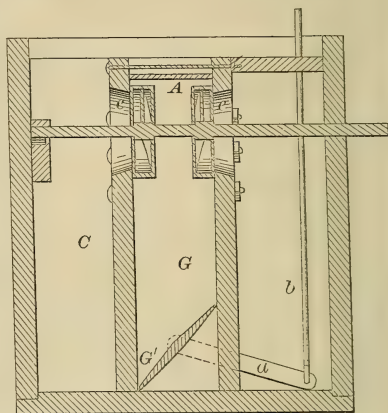
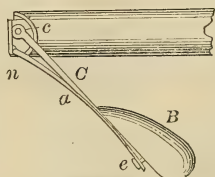
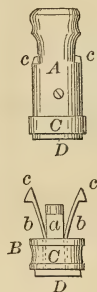
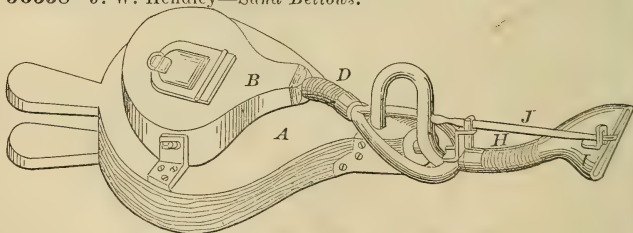
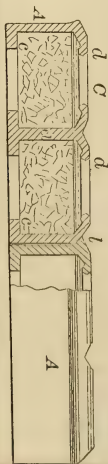
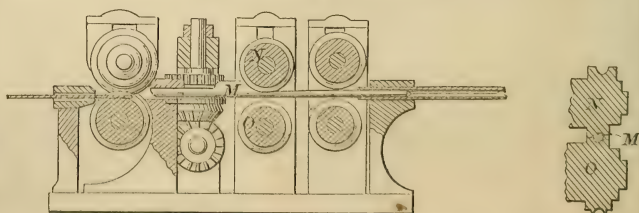
56552—J. R. Grout—Reverberatory Furnace.



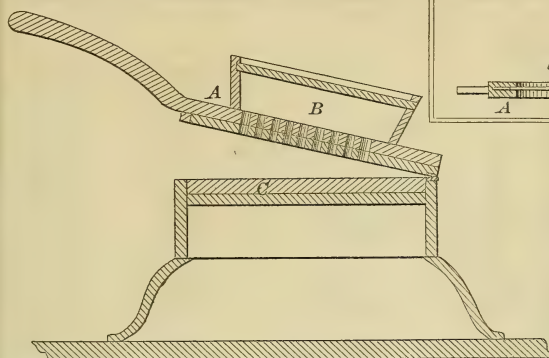
56555—D. Harris—Horse Hoe.



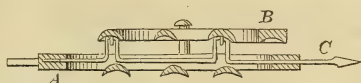


56556—E. B. Harris—*Pump.*56557—J. Hayden—*Ration Feed Box.*56560—R. S. Holton—*Water Wheel.*56562—T. L. Hough—*Truss.*56559—Hendrick & Chataway—*Gun Stock.*56558—J. W. Hendley—*Sand Bellows.*56563—D. Ilustis—*Purment.*56561—H. Hotchkiss—*For Making Metal Tubes.*

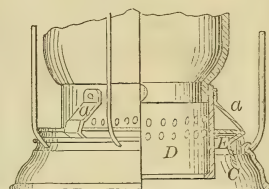
56564—H. B. Hutchins—*Knife Scourer*.



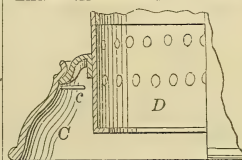
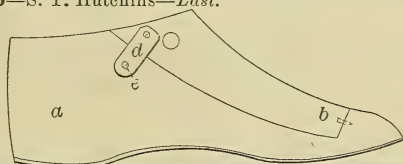
56566—J. A. Jacobs—*Stove Pipe Damper*.



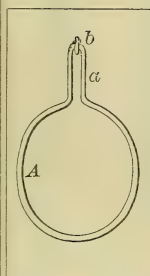
56567—E. N. Jenkins—*Lantern*.



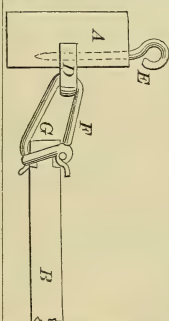
56565—S. T. Hutchins—*Last*.



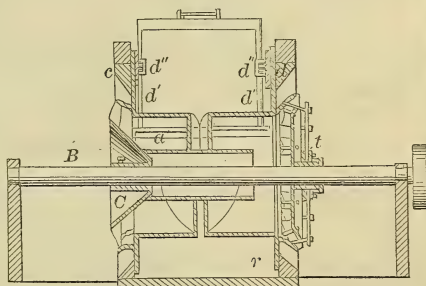
56569—C. H. Keener—*Hot Rack*.



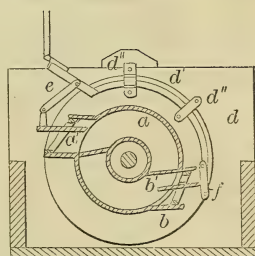
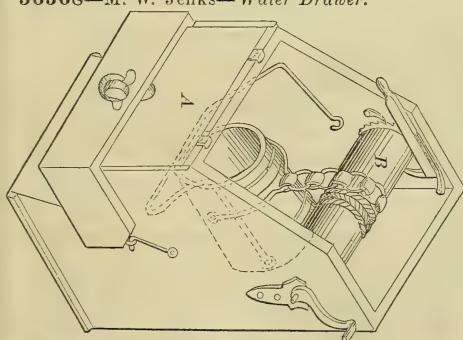
56570—C. A. Kellogg—*Bed Bottom*.



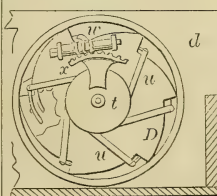
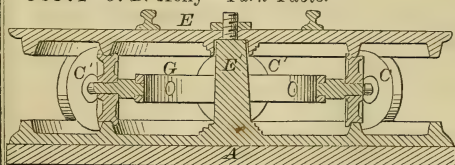
56572—F. J. Kindleberger—*Water Wheel*.



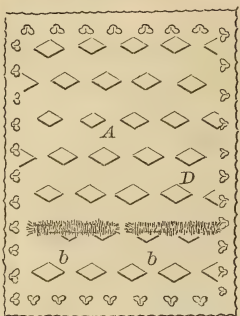
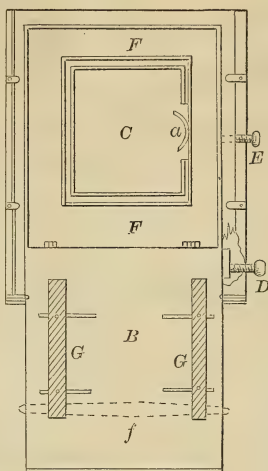
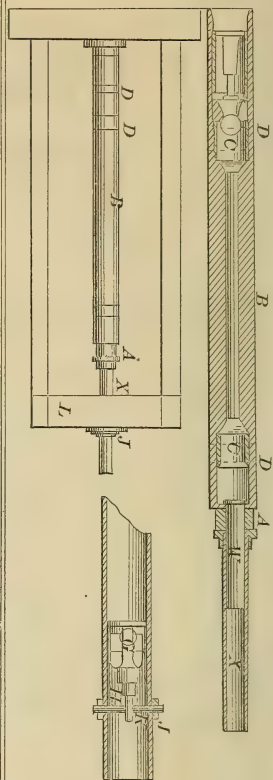
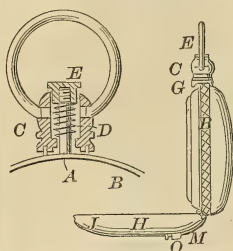
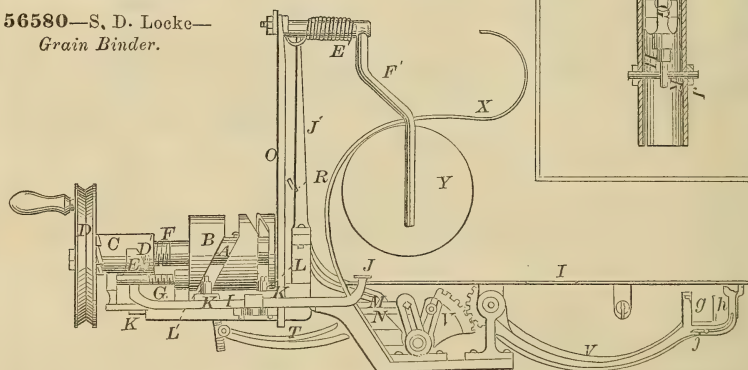
56568—M. W. Jenks—*Water Drawer*.



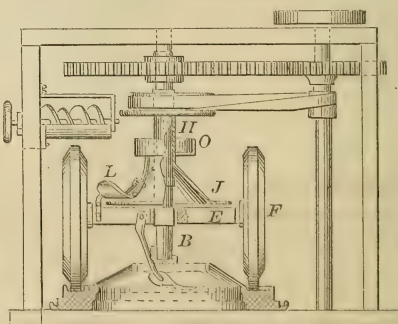
56571—J. B. Kelly—*Turn Table*.



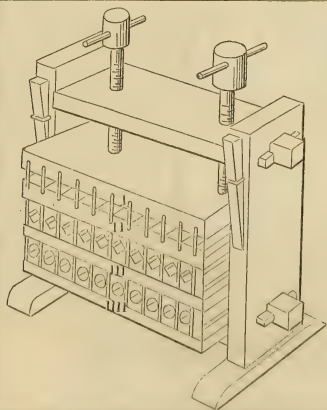
56573—J. Klanke—Robe.

56579—C. L. Lochman—  
Porcelain Printing Frame.56577—P H Lawrence—  
Rock Drilling Machine.56575—J. G. Konvalinka—  
Watch and Locket Case.56580—S. D. Locke—  
Grain Binder.

56581—J. Mabbs—Quartz Crusher.

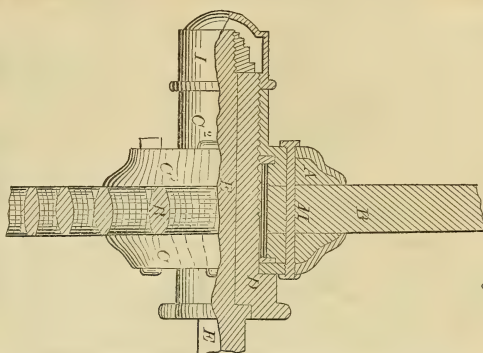
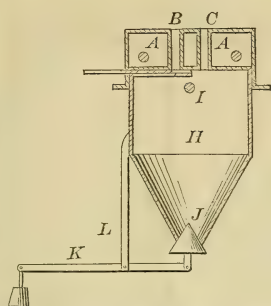


56578—M. Leipe—Cigar Press.



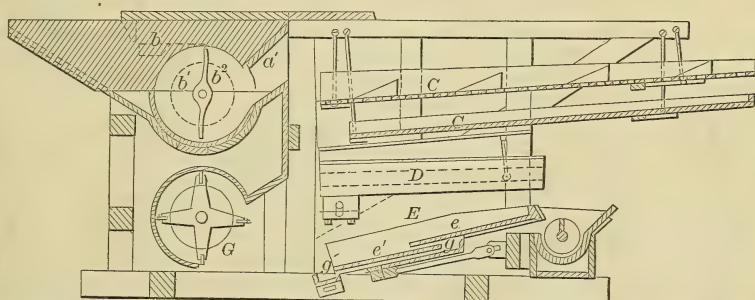


56582—J. F. Maguire—*Tuyere*.

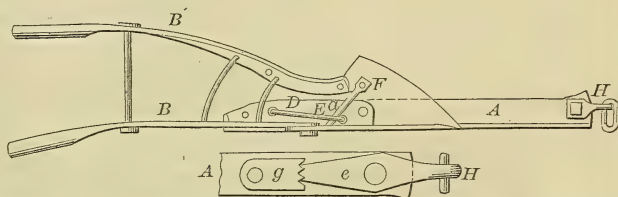
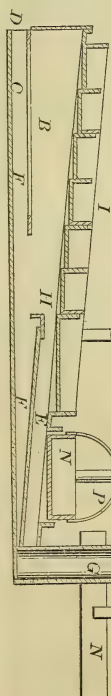


56586—R. W. McClelland—*Wagon Hub*.

56583—M. H. Mansfield—*Clover Threshing and Hulling Machine*.

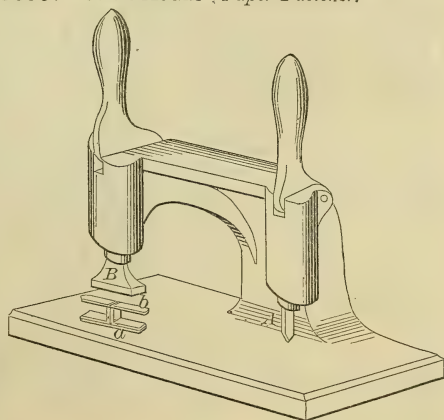


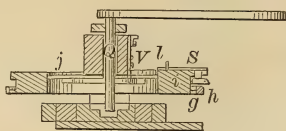
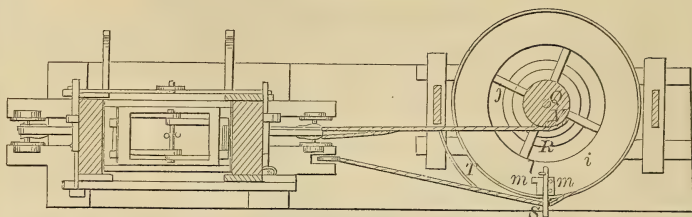
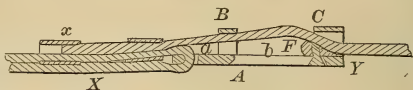
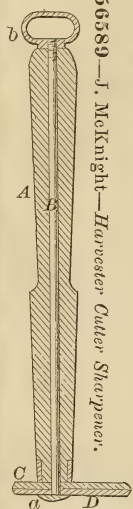
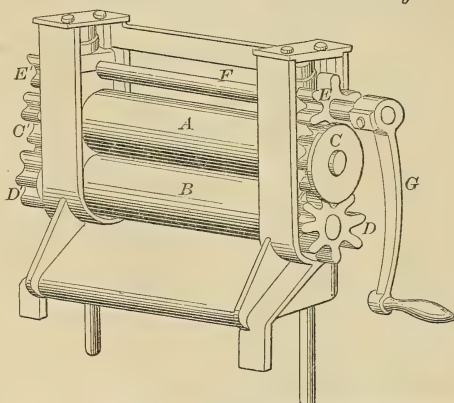
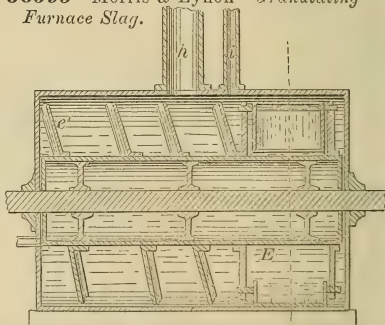
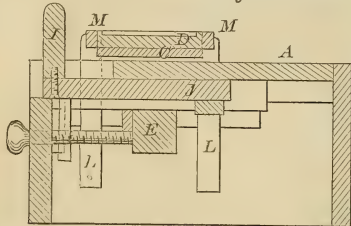
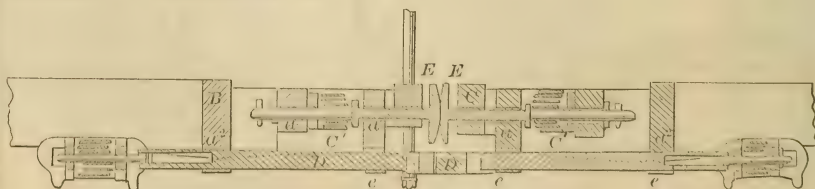
56584—H. A. Martin—*Plow*.



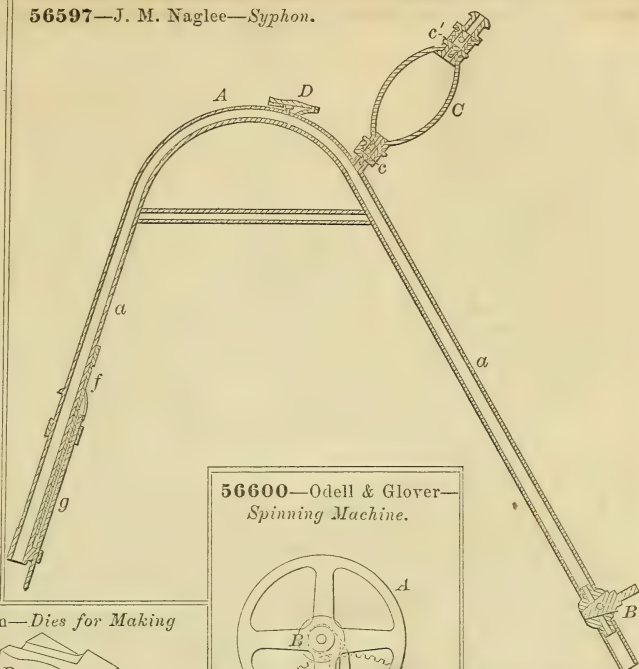
56585—S. B. Mansby—*Evaporator*.

56587—G. W. McGill—*Paper Fastener*.

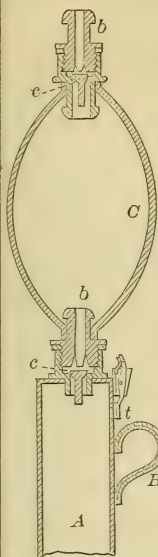


56588—J. A. McGillirrae—*Press.*56590—J. McLellen—*Buckle.*56589—J. McKnight—*Harvester Cutter Sharpener.*56591—McMillen & Conrick—*Clothes Wringer.*56592—W. M. Merriell—*Sash Fastening.*56595—Morris & Eynon—*Granulating Furnace Slag.*56593—I. L. Miles—*Printing on Bottles.*56594—E. Miller—*Railroad Car.*

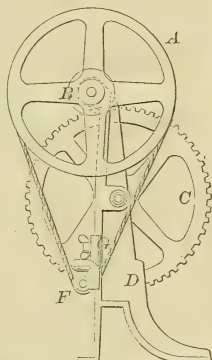
56597—J. M. Naglee—*Syphon.*



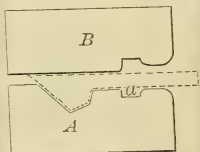
56596—J. M. Naglee—*Extracting Specimen of Liquors.*



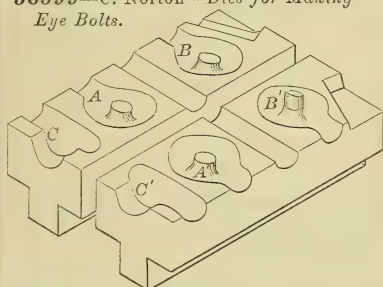
56600—Odell & Glover—*Spinning Machine.*



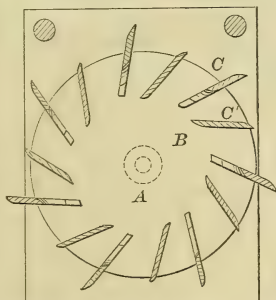
56602—H. W. Pell—*Die for Wrenches.*



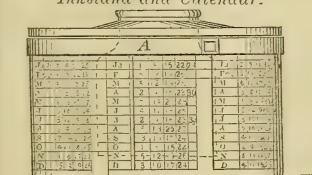
56599—C. Norton—*Dies for Making Eye Bolts.*



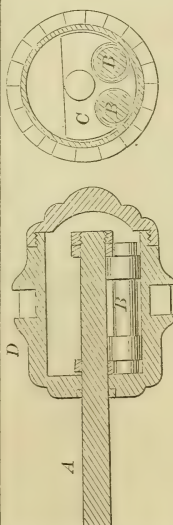
56598—C. Nickerson—*Wind Wheel.*



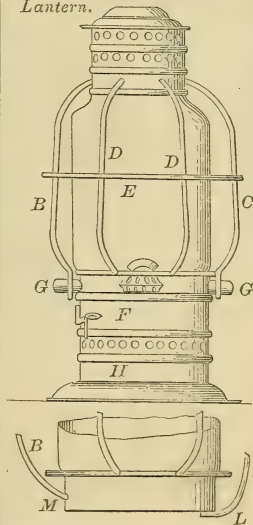
56603—G. G. Percival—*Combined Inkstand and Calendar.*



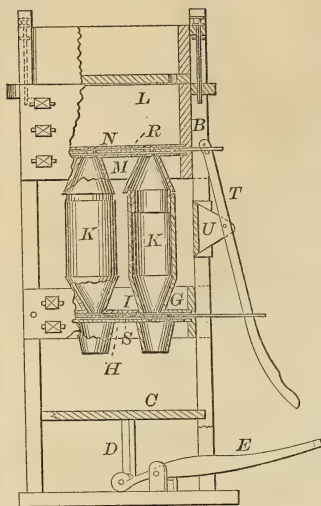
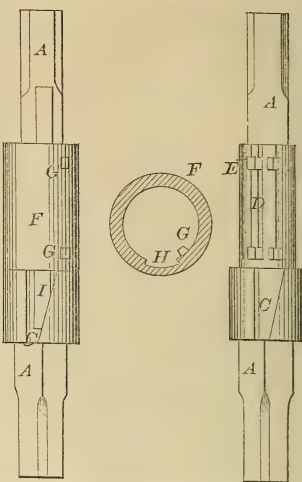
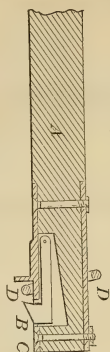
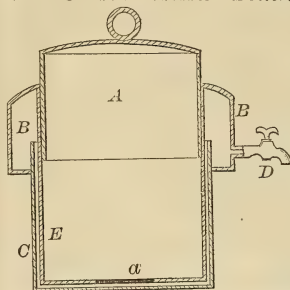
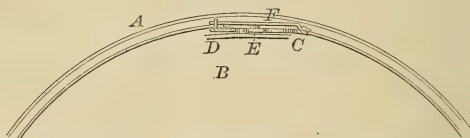
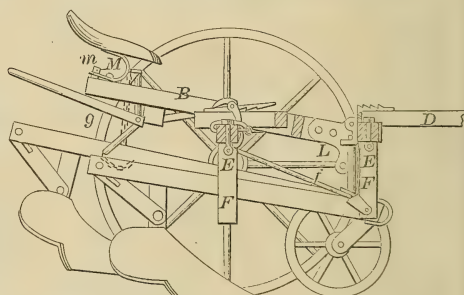
56601—E. C. Oils—*Carriage Axle.*



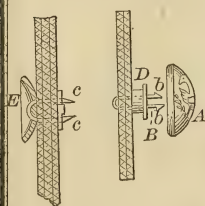
56604—G. Peugeot—*Hand Lantern.*



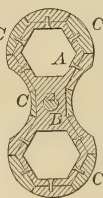
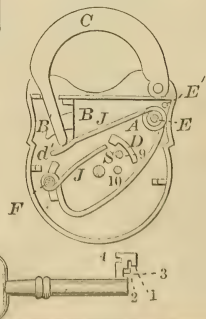
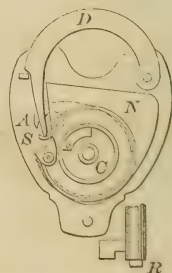
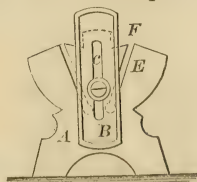


56605—O. Place—*Flour Packer.*56607—V. T. Priest—*Collar for Drill Rods.*56606—F. R. Pollard—*Shackle for Carriage Tongues.*56611—F. Reynold—*Harness Nail.*56609—T. T. Prosser—*Boiler.*56610—J. Proud—*Shirt Collar Attachment.*56613—W. T. Rogers—*Gang Plow.*56612—J. W. Roberts—*Securing Buttons.*

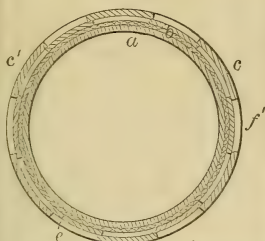
Crosshead for Blowers.



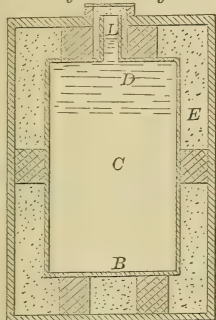
56614—P. H. &amp; F. M. Roots—

56616—C. W. Saladee—*Padlock.*56617—C. W. Saladee—*Padlock.*56615—J. J. Russ—*Knife and Scissors Sharpener.*

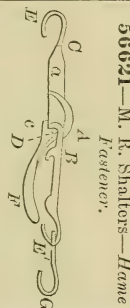
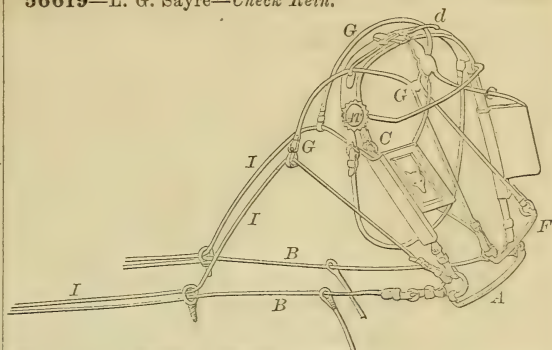
56618—L. Sauter—*Napkin Ring.*



56620—T. P. Shaffner—*Packing Nitro-Glycerine.*

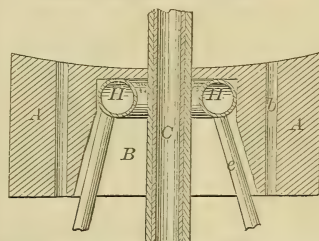


56619—L. G. Sayre—*Check Rein.*

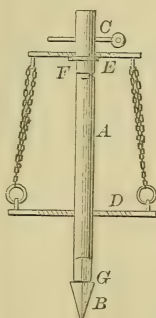


56621—M. R. Shalters—*Home Fastener.*

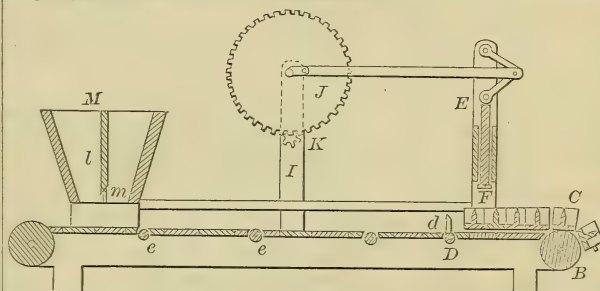
56622—W. A. Shaw—*Die for Manufacturing Lead Pipe.*



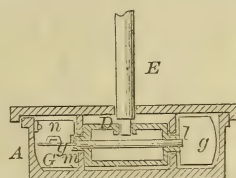
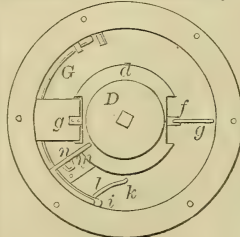
56623—C. Shepard—*Well Tube.*



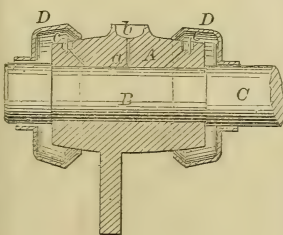
56626—M. B. Stafford—*Peat Machine.*



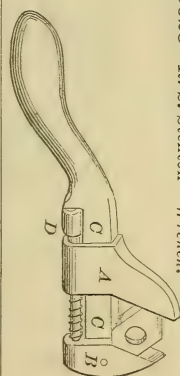
56627—J. A. Stansbury—*Pump.*

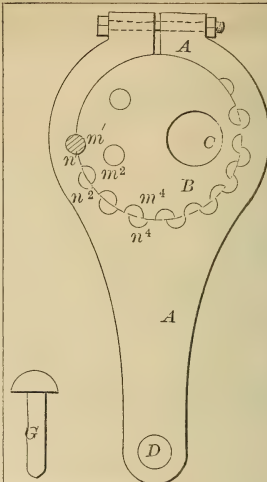
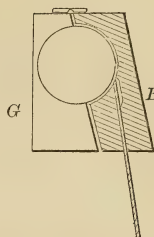
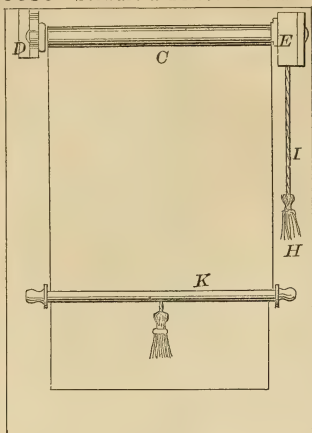


56624—A. R. Sherman—*Lubricating Journal Boxes.*

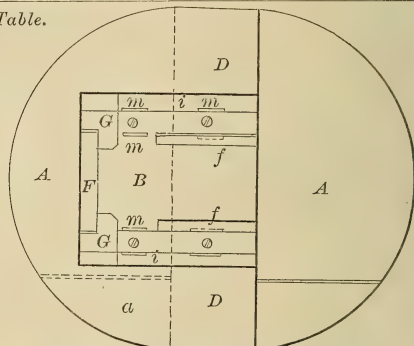
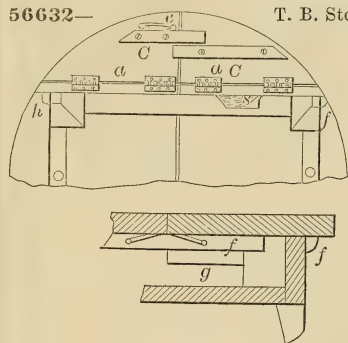
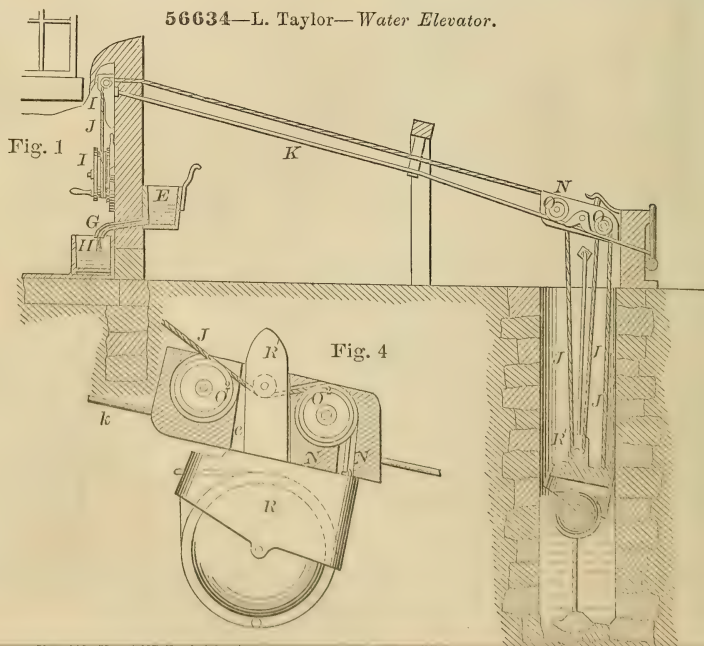


56628—R. S. Stenton—*Wrench.*



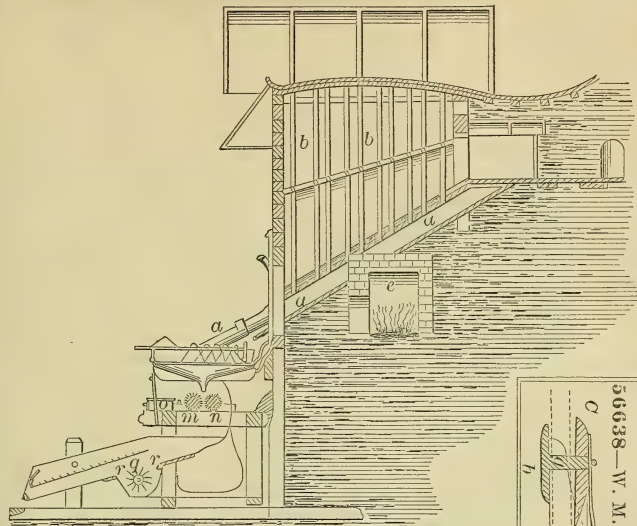
56630—Stewart & Pierce—*Curtain Fixture.*56631—N. C. Stiles—*Adjustable Pinman.*

56632—

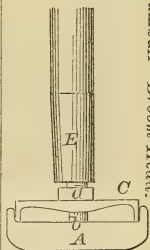
T. B. Stout—*Table.*56634—L. Taylor—*Water Elevator.*



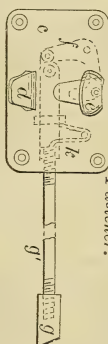
56636—C. F. Testman—*Gold Separator.*



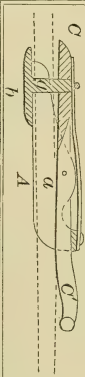
56640—H. Trumbull—*Broom Head.*



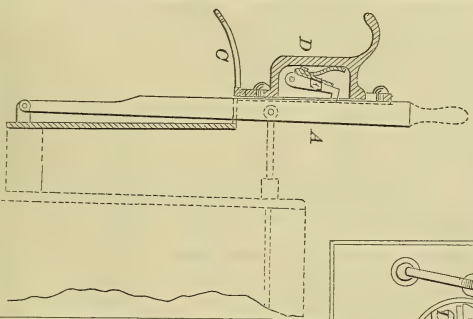
56642—Van Vleet & Nichols—*Sash Fastener.*



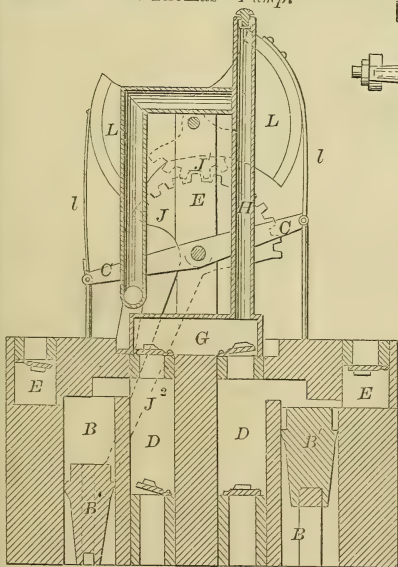
56638—W. M. K. Thornton—*Trace Buckle.*



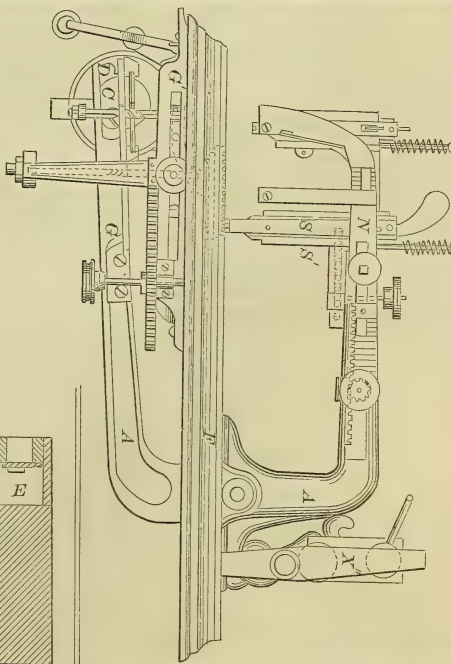
56639—C. G. Torrence—*Lock for Throttle Valves.*



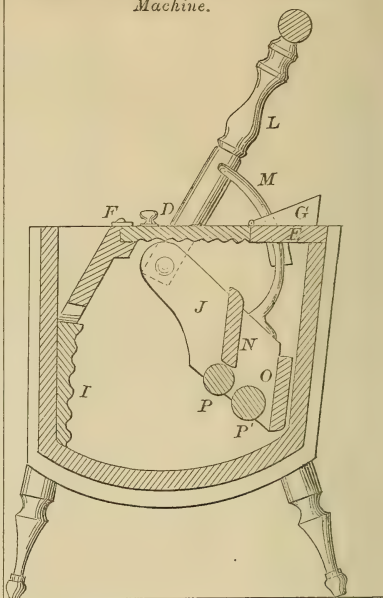
56637—D. M. Thomas—*Pump.*



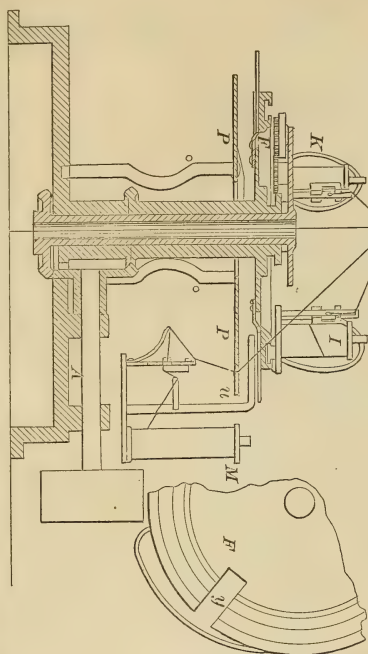
56641—J. C. Tucker—*Sewing Machine.*



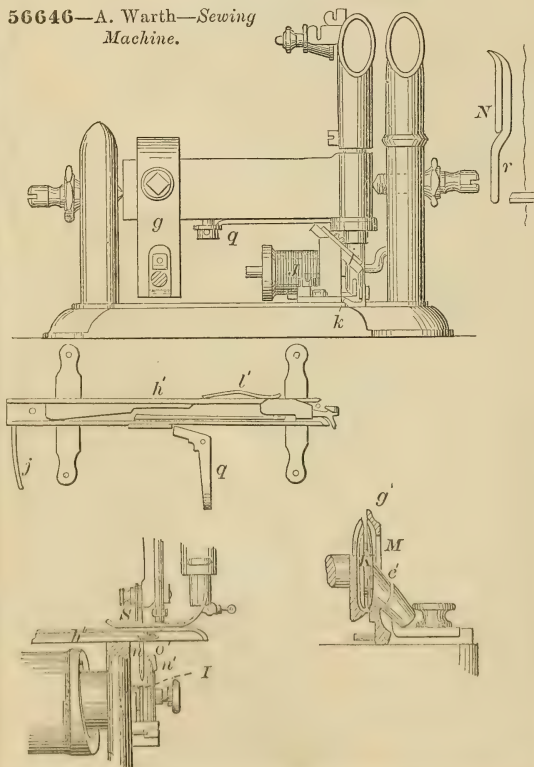
56644—F. W. Vosmer—Washing Machine.



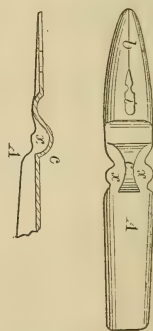
56643—Veerkamp &amp; Leopold—Braiding Machine.



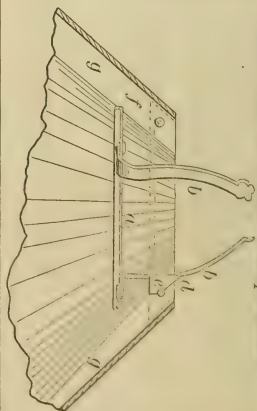
56646—A. Warth—Sewing Machine.



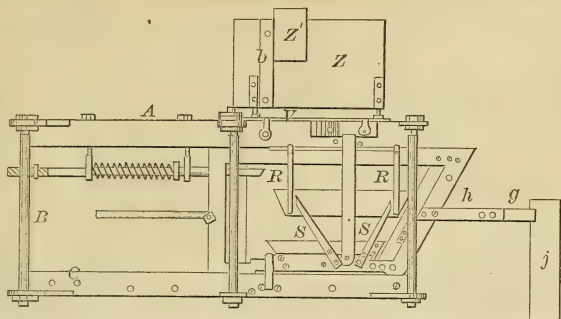
56645—S. Warrington—Pen.



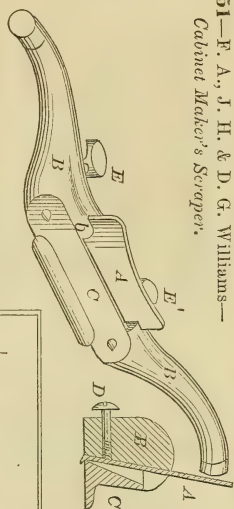
56647—J. H. Webber—Lump Shovel.



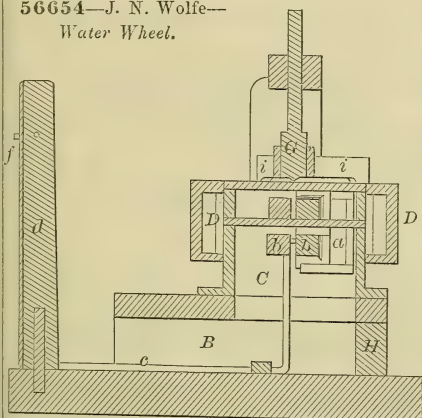
56648—H. White—*Shingle Machine.*



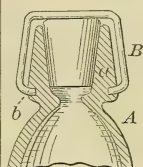
56651—F. A., J. H. & D. G. Williams—*Cabinet Maker's Scraper.*



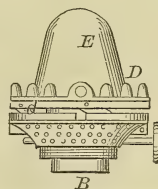
56654—J. N. Wolfe—*Water Wheel.*



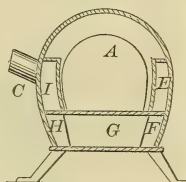
56653—  
H. & J. Wilson—*Bottle Fastening.*



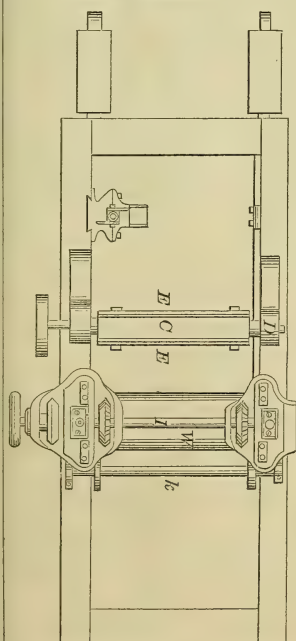
56655—T. Wood—*Coal Oil Burner.*



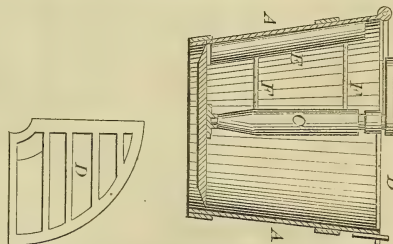
56649—T. White—*Stove.*



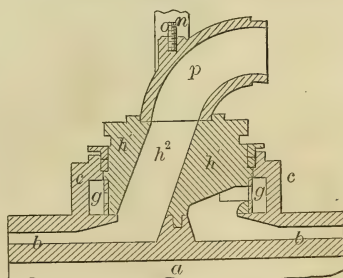
56656—J. A. Woodbury—*Planing Machine.*



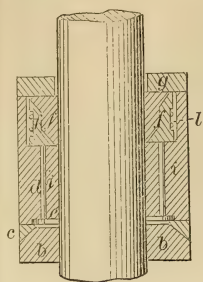
56652—J. H. Williams—*Potato Digger.*



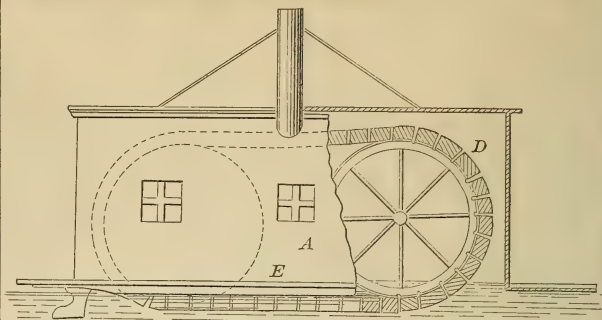
56657—W. E. Worthen—*Rotary Valve.*



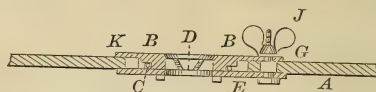


56658—F. Wright—  
Piston Rod Packing.

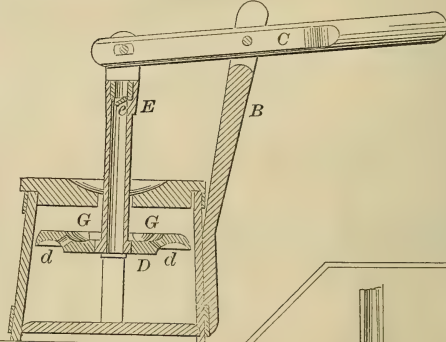
56660—G. H. Young—Marine Car.



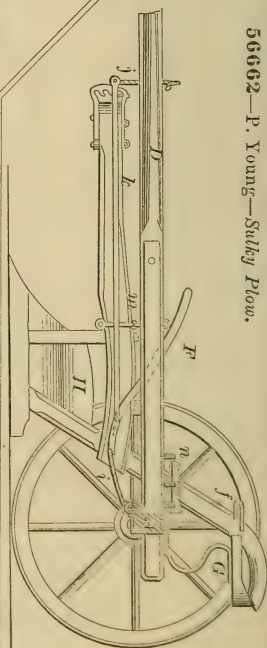
56663—N. Zillier—Screw Plate.



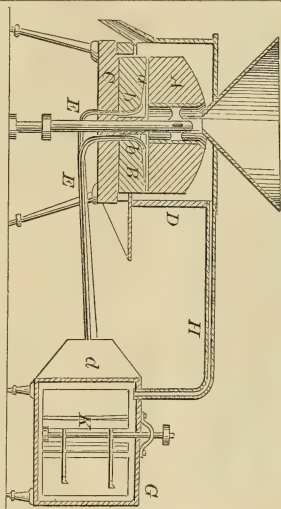
56661—J. Young—Churn.



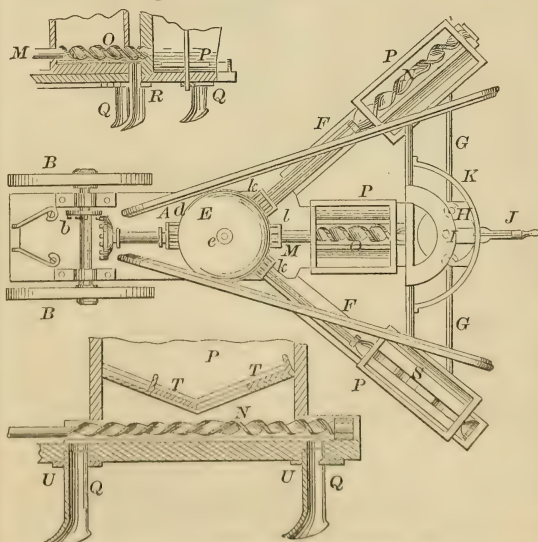
56662—P. Young—Sulky Plow.



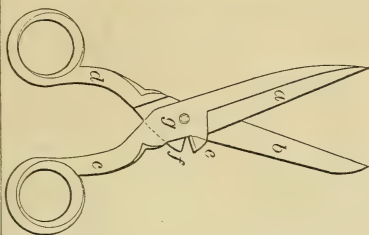
56659—Young &amp; McLean—Grinding Mill.



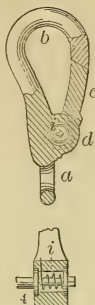
56664—G. Zorger—Wheat Drill.



56668—P. C. Clapp—*Shears.*

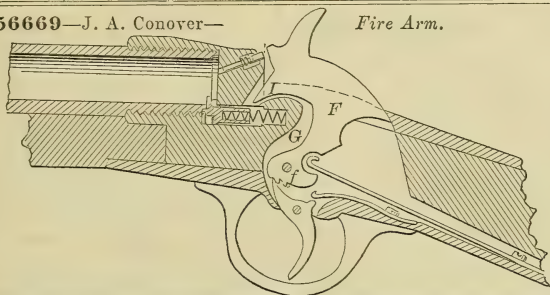


56666—H. Bradbury—*Snop Hook.*

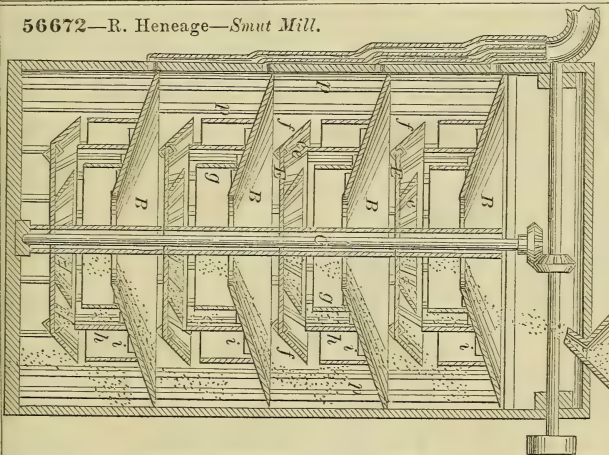


56669—J. A. Conover—

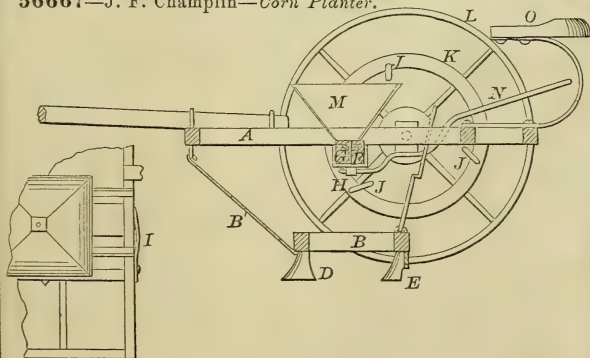
*Fire Arm.*



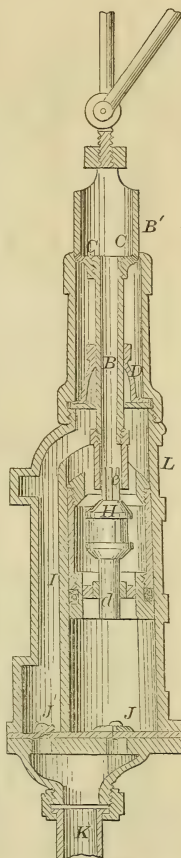
56672—R. Heneage—*Snut Mill.*



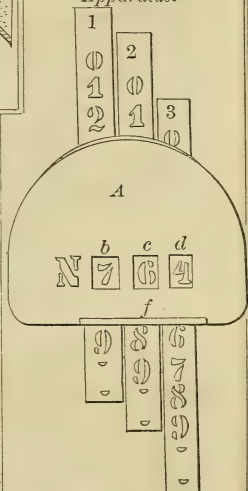
56667—J. F. Champlin—*Corn Planter.*



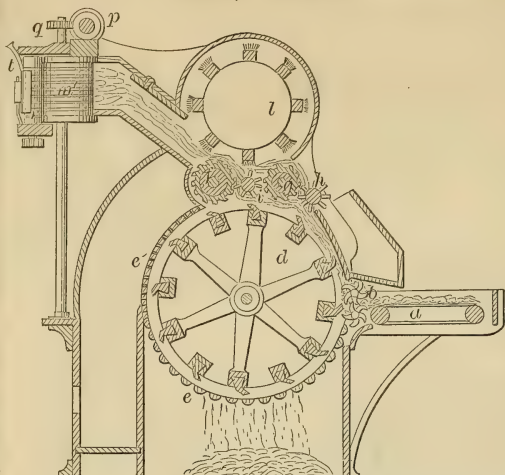
56671—J. W. Douglas—*Pump.*



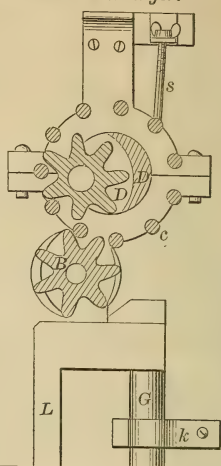
56674—J. M. Merritt—*Stencil Numbering Apparatus.*



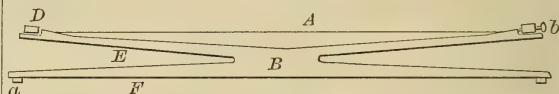
**56675**—S. R. Parkhurst—*Picking and Cleaning Cotton, &c.*



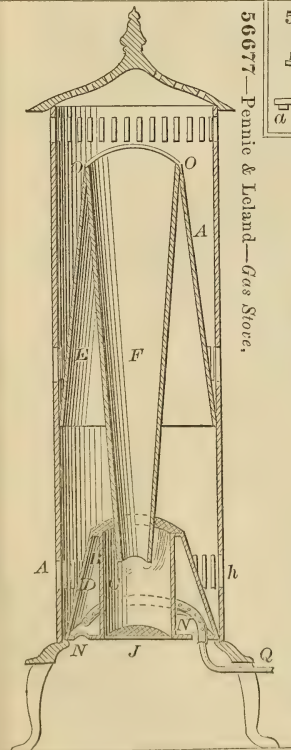
**56676**—Pease & Lewis—*Clothes Wringer.*



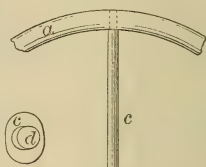
**56678**—M. Roberts—*Bed Bottom.*



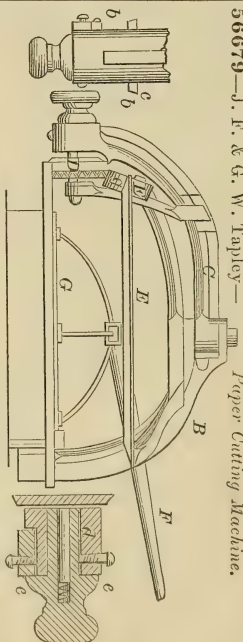
**56677**—Pennie & Ireland—*Gas Stove.*



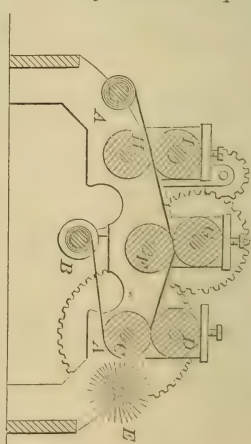
**56681**—J. Woodburn—*Carriage Wheel.*



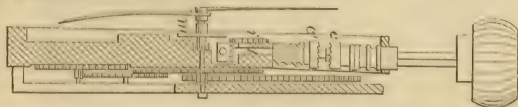
**56679**—J. F. & G. W. Tapley—*Paper Cutting Machine.*



**56682**—W. F. Wright—*Polishing Enamelled Paper.*

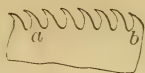


**56683**—C. Lehmann—*Watch.*

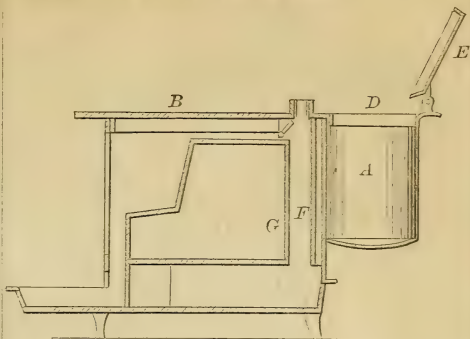




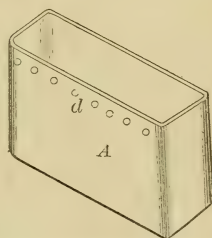
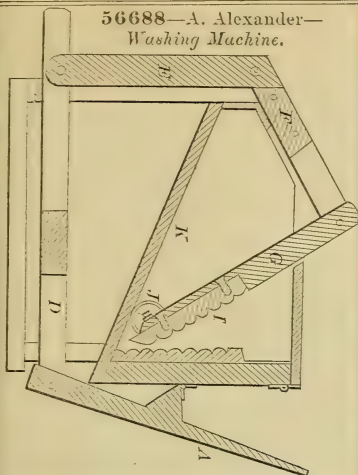
56684—T. C. Craven—Cotton Gin Saw.



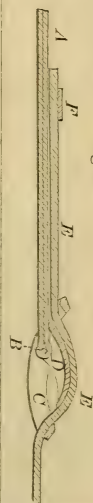
56686—E. Bussey—Cooking Stove.



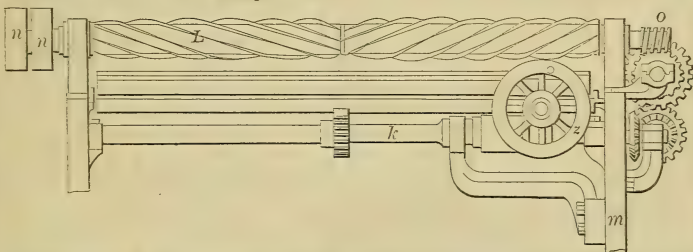
56688—A. Alexander—Washing Machine.



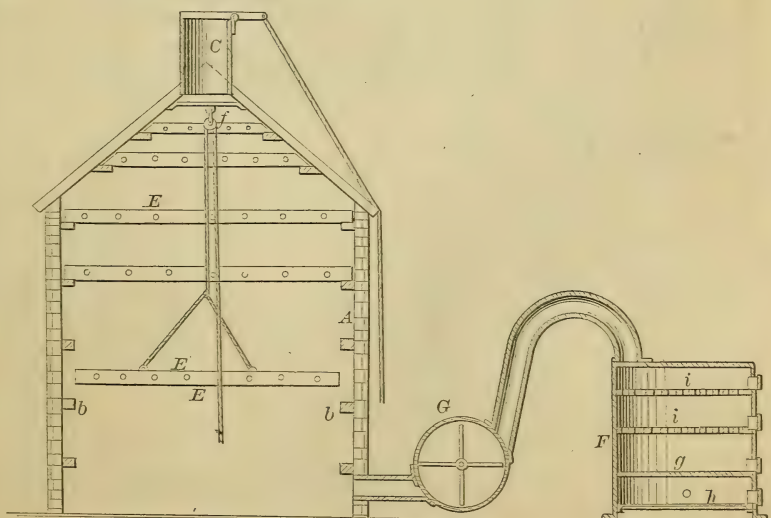
56689—R. J. Algeo—Trice Buckle.

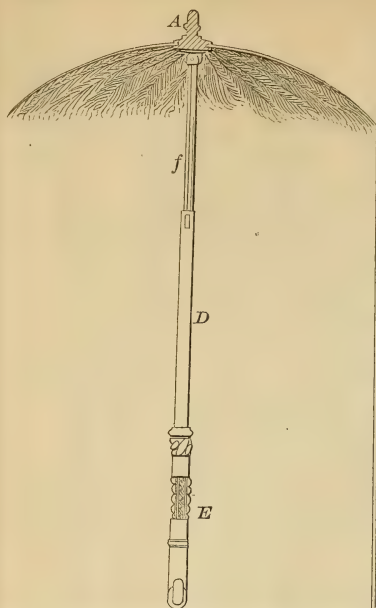
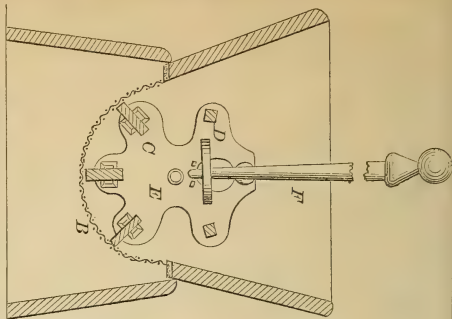
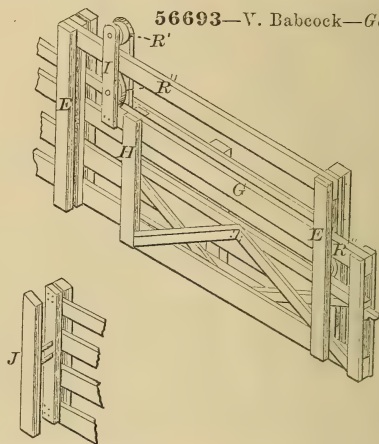
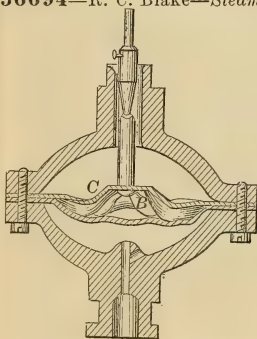
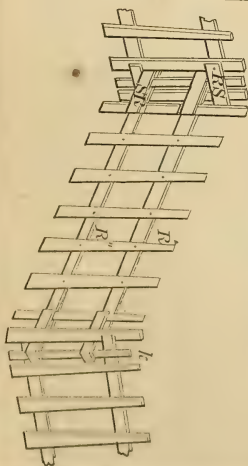
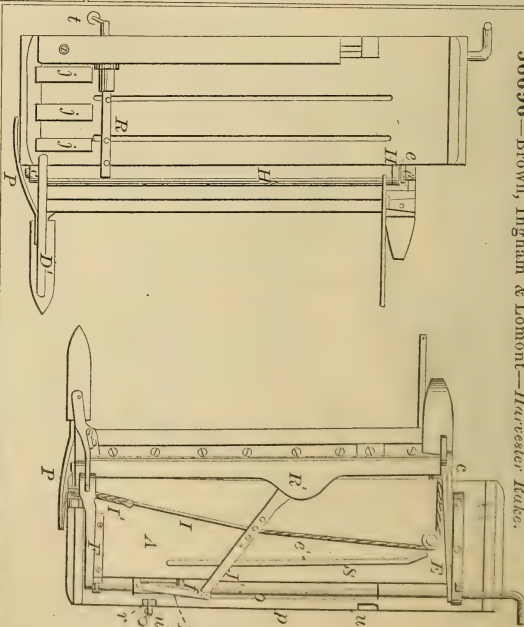


56687—A. Adler—Working Hides.

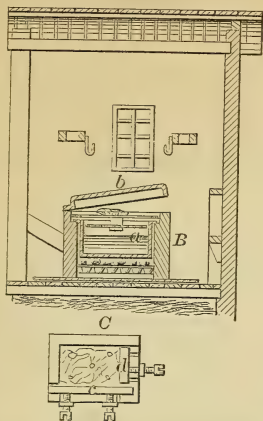


56690—H. A. Amelung—Smoke House.

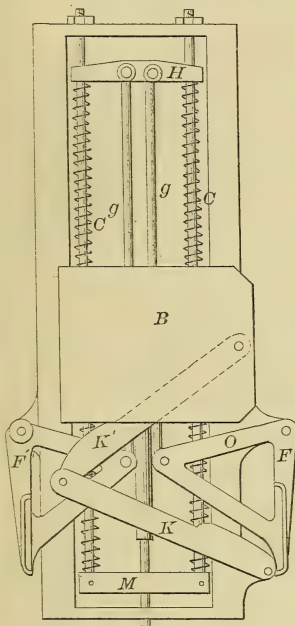


56691—G. Anton—*Parasol*.56692—F. Arnold—*Flour Sifter*.56693—V. Babcock—*Gate*.56694—R. C. Blake—*Steam Gauge*.56695—J. Breneman—*Portable Fence*.56696—Brown, Ingham & Lomont—*Harvester Blade*.

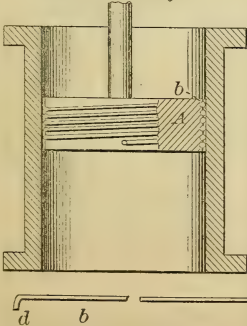
56697—T. Brown—Re-dying Car Seat Cushions.



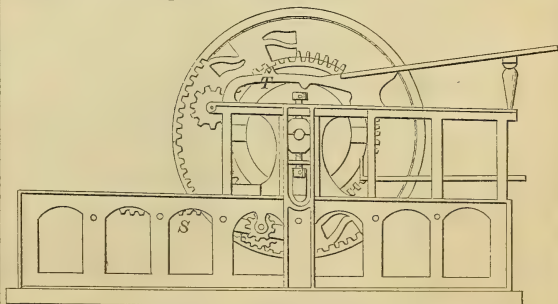
56700—A. Campbell—Printing Press Spring.



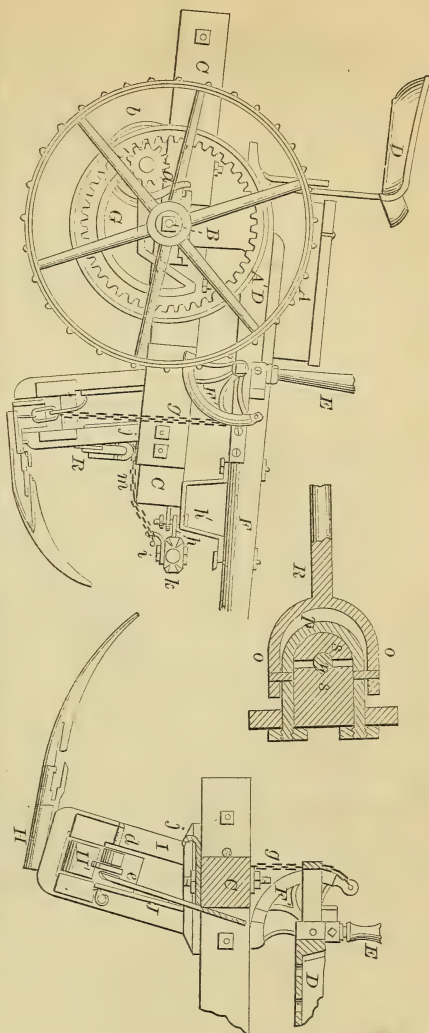
56699—A. S. Cameron—Piston Packing.



56701—A. Campbell—Printing Press.

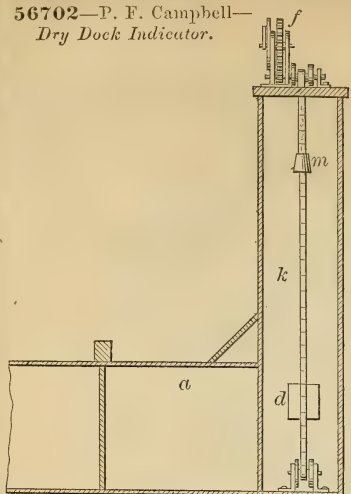


56698—L. Bryson—Harvester.

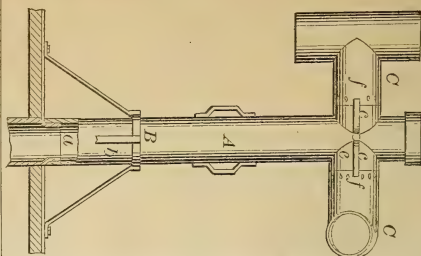




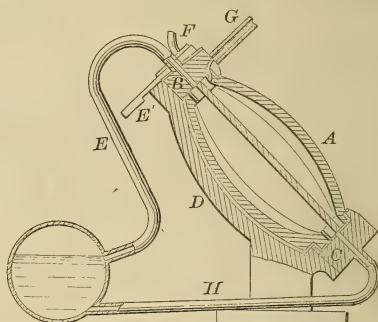
**56702**—P. F. Campbell—*Dry Dock Indicator.*



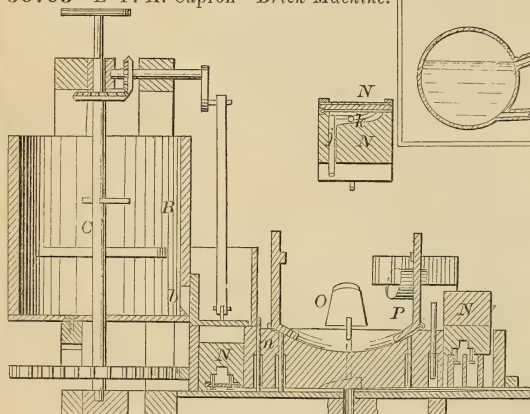
**56707**—W. Chappell—*Stove Pipe Top.*



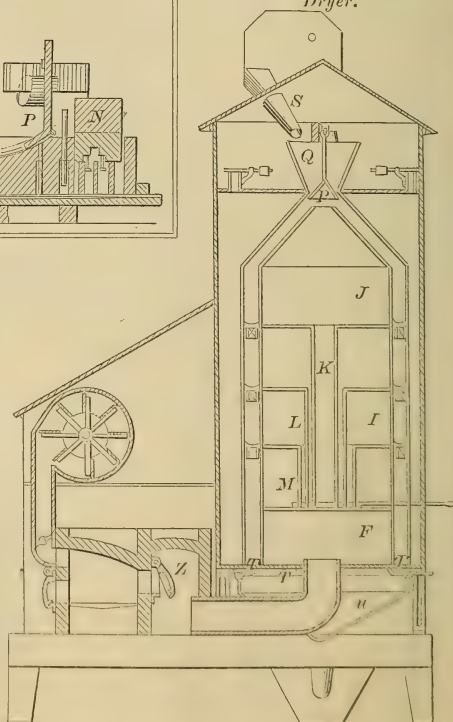
**56706**—B. Chalfant—*Automatic Boiler Feeder.*



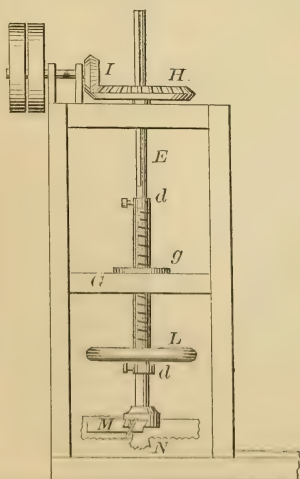
**56703**—E. P. H. Capron—*Brick Machine.*



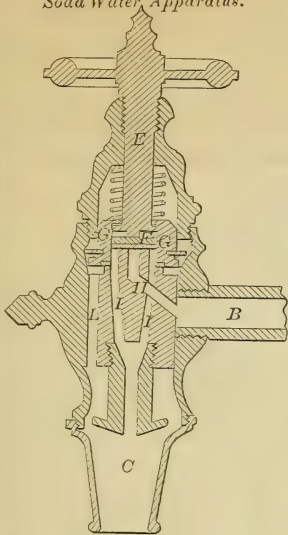
**56708**—G. Clark—*Grain Dryer.*



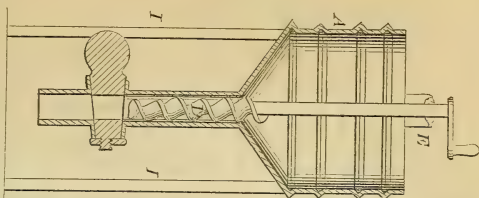
**56705**—S. Cary—*Boring and Grinding Apparatus.*



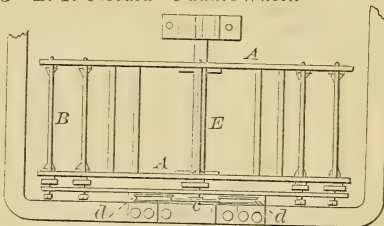
56709—W. P. Clark—*Cock for Soda Water Apparatus.*



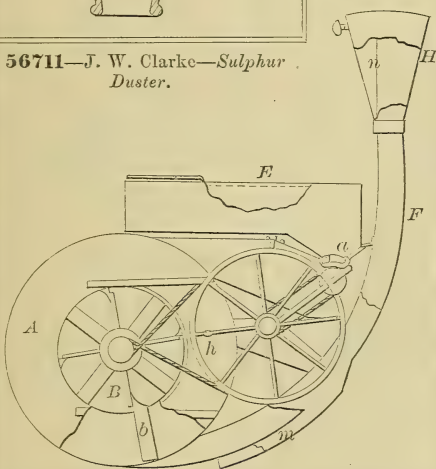
56710—J. W. Clarke—*Funnel*.



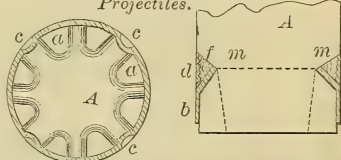
56713—E. T. Colburn—*Paddle Wheel.*




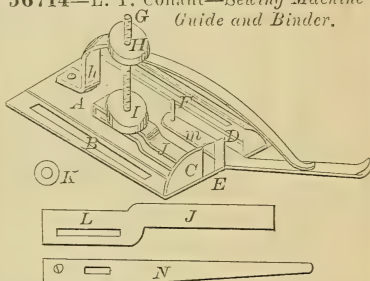
56711—J. W. Clarke—*Sulphur Duster.*



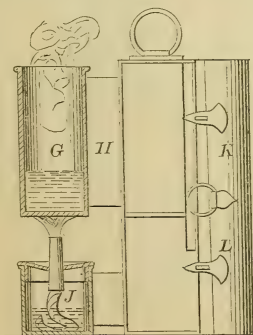
56712—J. W. Cochran—*Packing Projectiles.*



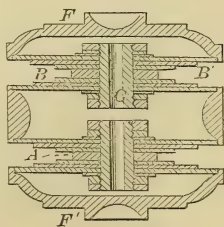
56714—L. T. Conant—*Sewing Machine*  
 *Guide and Binder.*



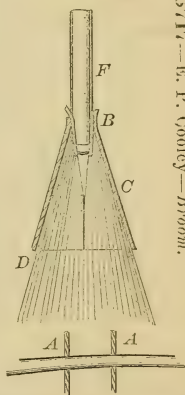
56715—T. P. Conard—  
*Shaving Case.*

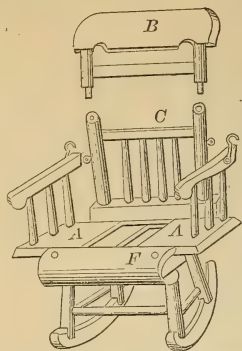


56716—W. F. Converse—  
*Car Spring.*



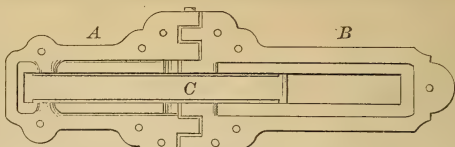
56717—H. P. Gooley—Broom.



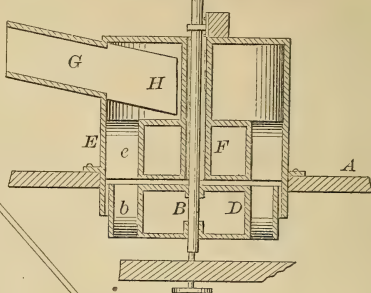


56718—F. E. Coornes—Cradle and Chair.

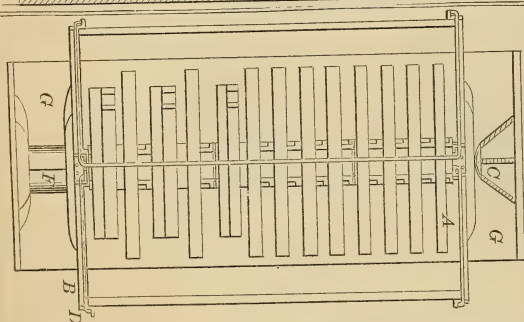
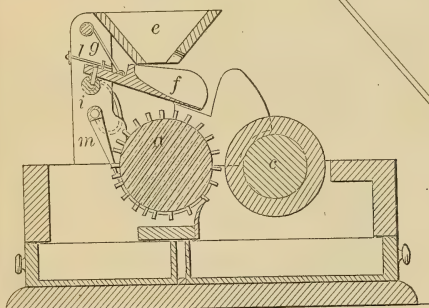
56720—J. J. Cowell—Trunk Brace and Hinge.



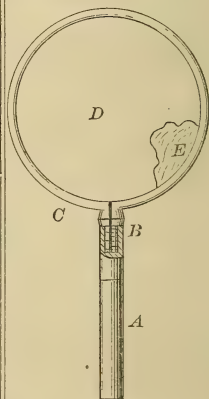
56719—Corbin & Prigh—Water Wheel.



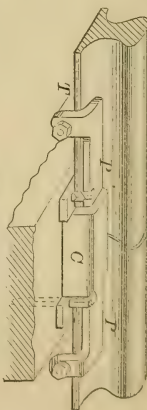
56721—J. B. Crosby—Raisin Seeder.



56722—J. G. Cross—Milk and Cheese Rack.

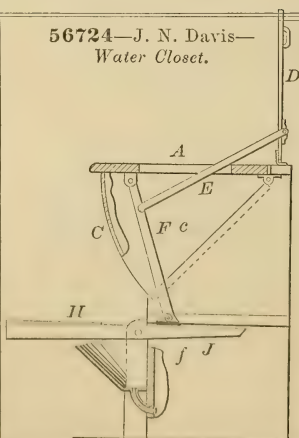


56723—P. A. Dailey—Mirror.

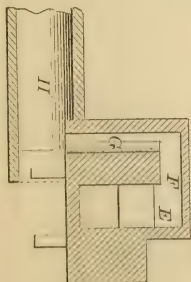


56726—Davis & Hewitt—Railway Chair.

56724—J. N. Davis—Water Closet.

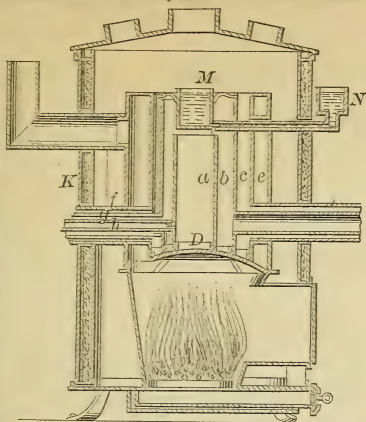


56725—J. Davies—Copper Smelting Furnace.

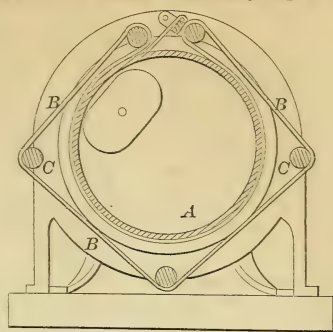




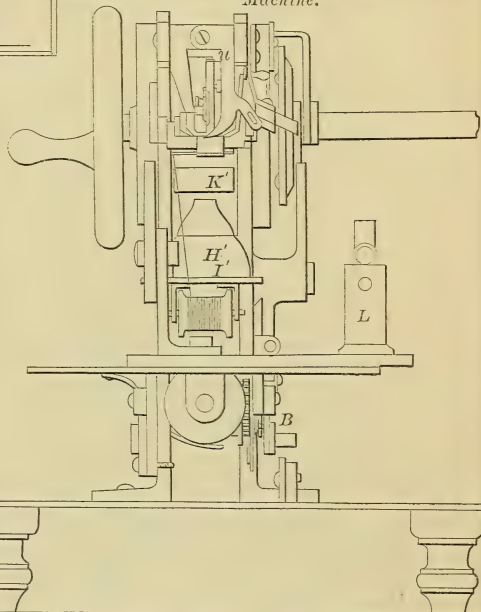
56727—H. G. Dayton—Hot Air Furnace.



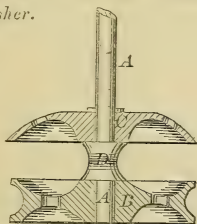
56732—L. Dodge—Bleaching Paper Pulp.



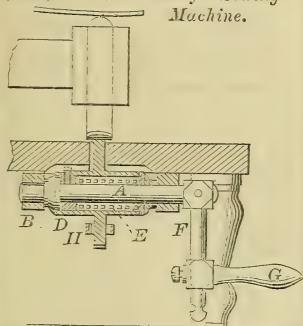
56729—A. Destony—Boot and Shoe Sewing Machine.



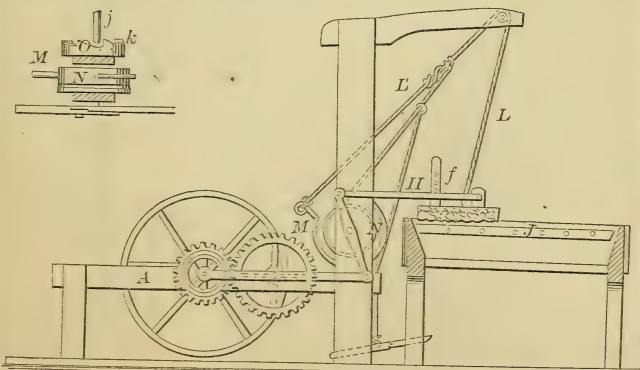
56728—G. Deckman—Churn Dasher.



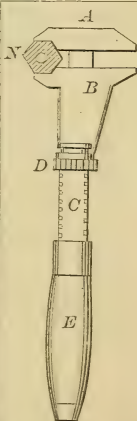
56730—A. L. Dewey—Sewing Machine.

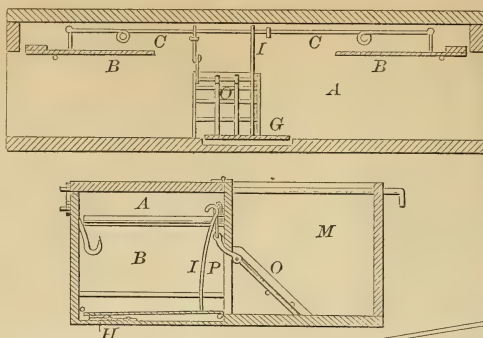
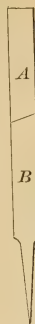
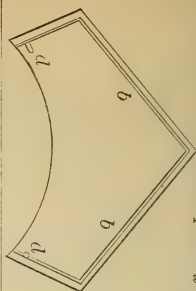
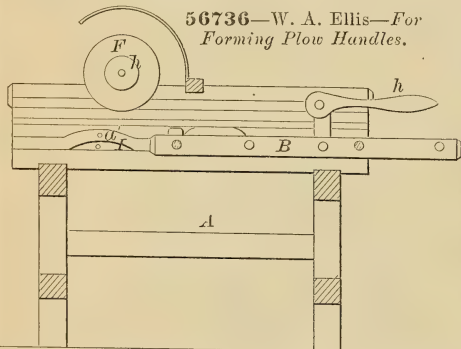
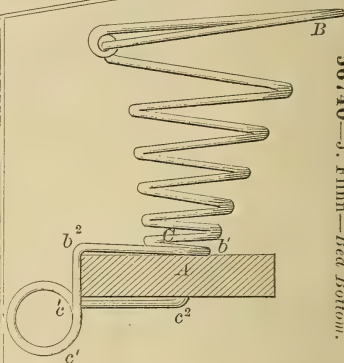
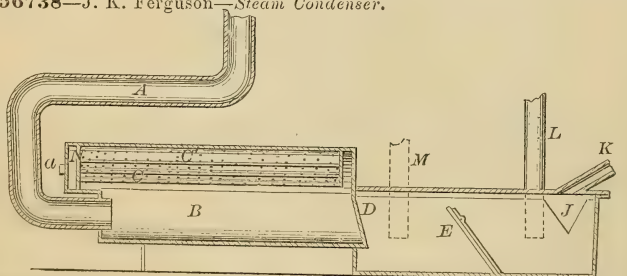
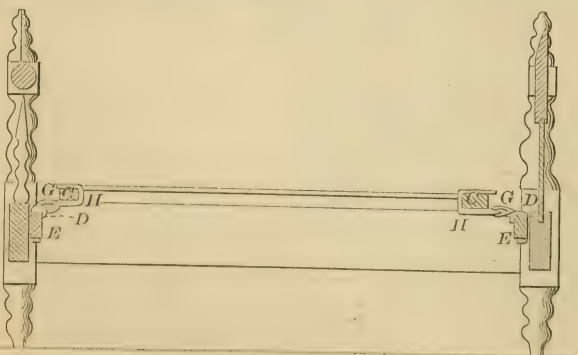
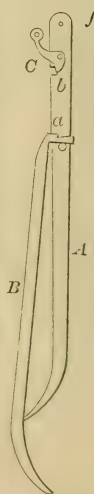


56733—A. L. Drake—Washing Machine.

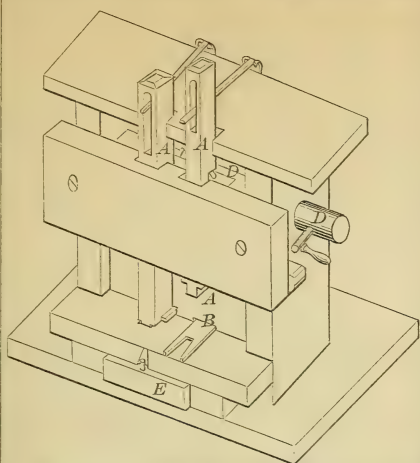


56731—J. F. Dodge—Wrench.

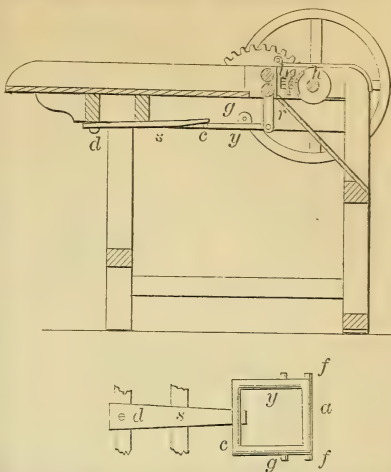


56735—Ellis & Albertson—*Animal Trap.*56734—A. A. Dunk—*Repeating Files.*56737—A. A. Evans—*Paper Cuff.*56736—W. A. Ellis—*For Forming Plow Handles.*56740—J. Finn—*Bed Bottom.*56738—J. K. Ferguson—*Steam Condenser.*56741—Frazee & Smith—*Bed Bottom.*56739—H. Fisher—*Horse Hug Fork.*

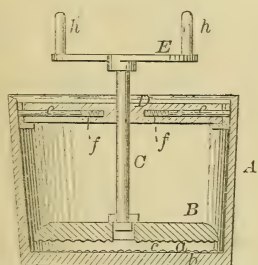
56742—I. H. Garretson—For Making Brick.



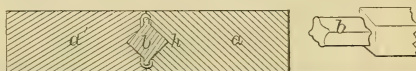
56743—A. Gordon—Straw Cutter.



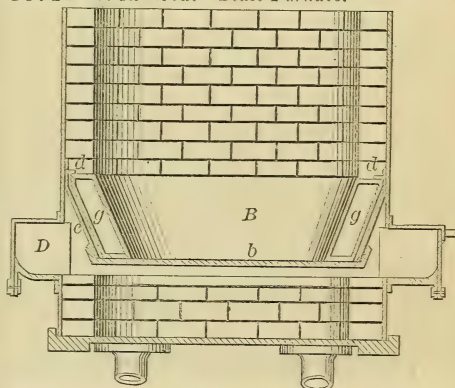
56744—W. Gowen—Washing Machine.



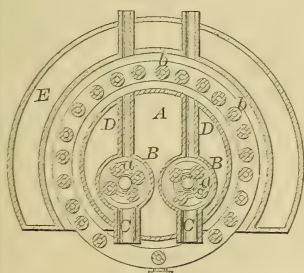
56745—J. Gribben—Die for Making Bolt Heads.



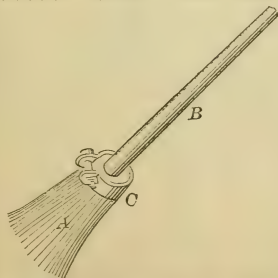
56746—J. R. Grout—Blast Furnace.



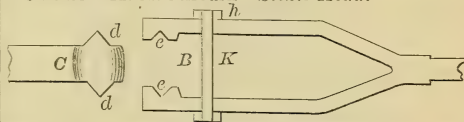
56748—D. G. Haskins—Steam Generator.



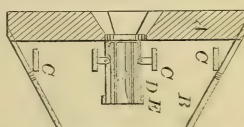
56750—E. Hiss—Paint Brush.



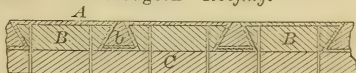
56749—M. H. Hilburn—Sickle Head.



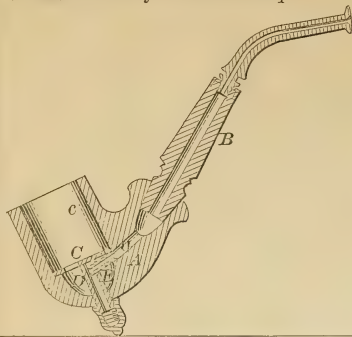
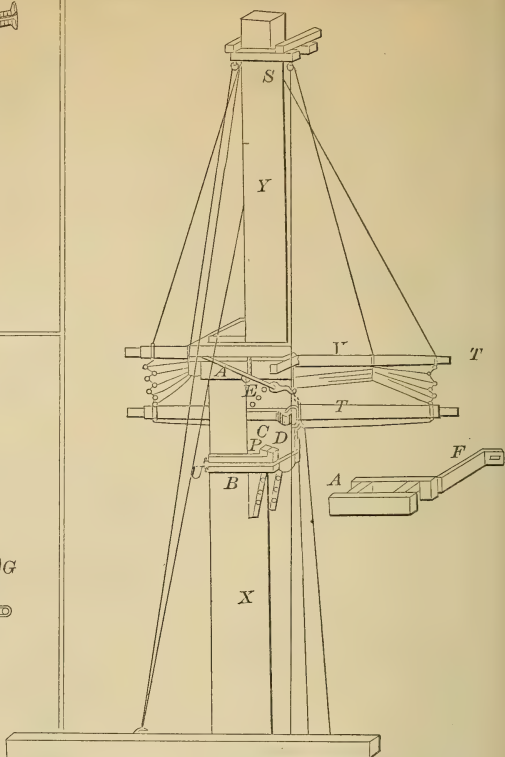
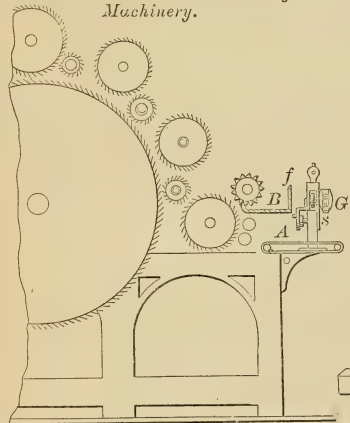
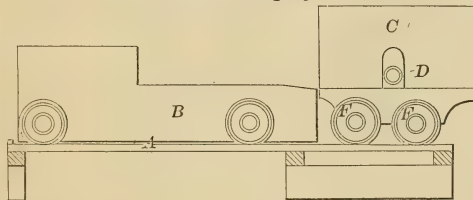
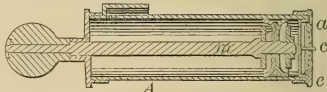
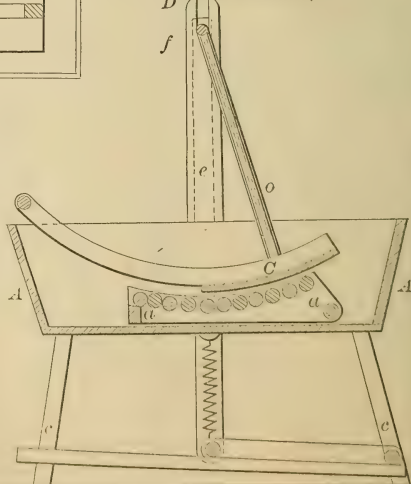
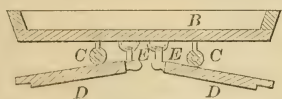
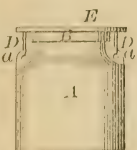
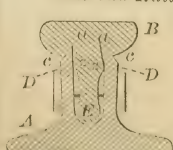
56747—C. L. Hart—Sorghum Stripper and Cutter.



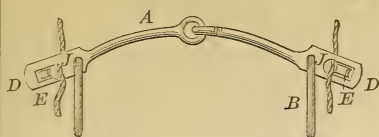
56751—J. F. Hodgson—Roofing.



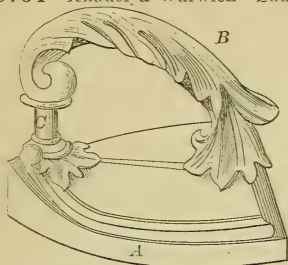


56752—E. Hoyt—*Tobacco Pipe.*56754—J. M. Hudson—*Vessel Rigging.*56758—C. Jones—*Wool Oiling Machinery.*56756—E. H. Jackson—*Dumping Car.*56757—A. L. Jewell—*Garden Syringe.*56761—W. & A. G. Kelsey—*Washing Machine.*56753—F. M. Hubbard—*Carriage Seat.*56755—W. Hunt—*Fruit Jar.*56760—R. V. Jones—*Railroad Rail.*

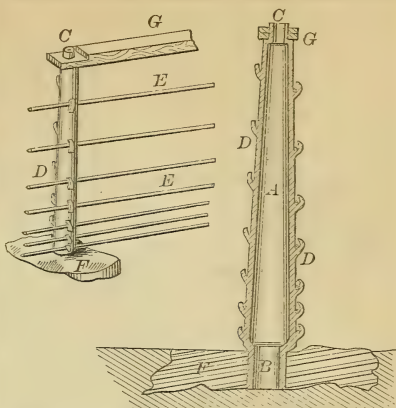
56762—S. M. King—Bridle Bit.



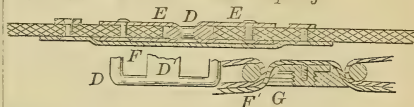
56764—Knauer & Warwick—Sad Iron.



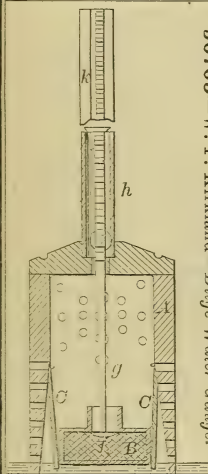
56766—J. W. Larmore—Field Fence.



56767—W. Leas—Belt Coupling.



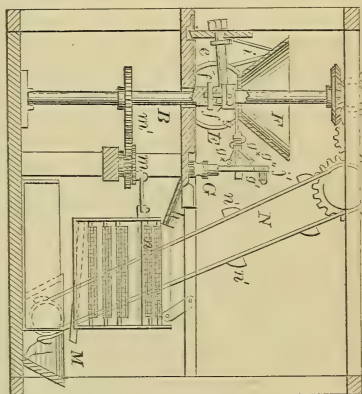
56763—W. P. Kirkland—Bilge Water Gauge.



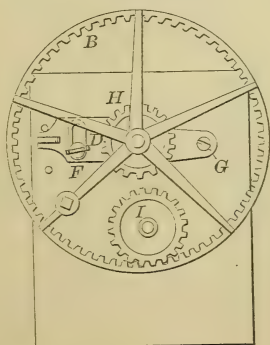
56769—H. Loth—Table and Stool.



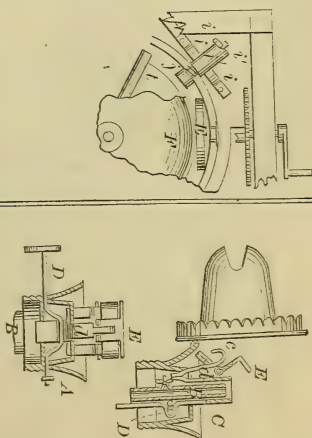
56768—A. Lindsay—Quartz Crusher.



56771—A. E. Mason—Churn.



56770—C. E. Lyon—Lamp Extinguisher and Regulator.



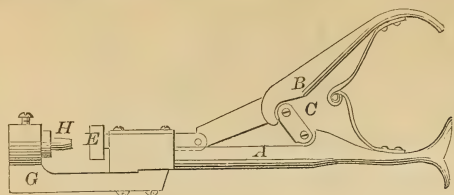
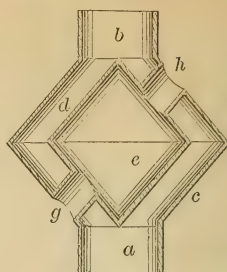
56772—W. B. Mason—*Punch, Shears, &c.*56774—B. F. Miller—*Stove Pipe Drum.*56776—J. A. Minor—*Pocket Tablet.*

Fig. 4

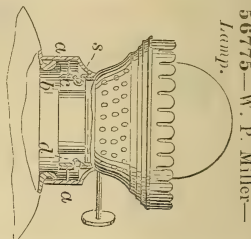
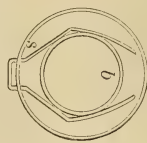
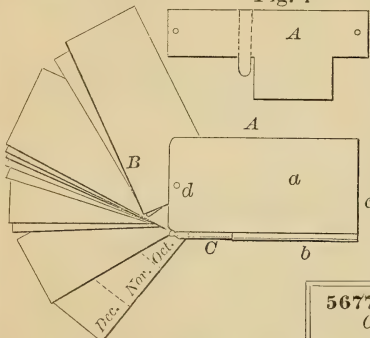
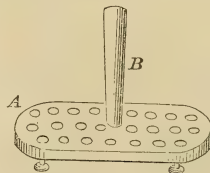
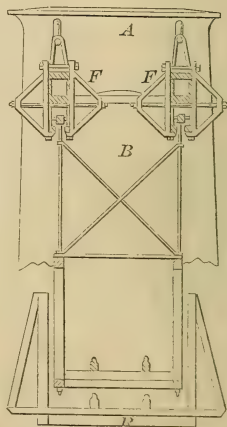
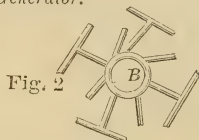
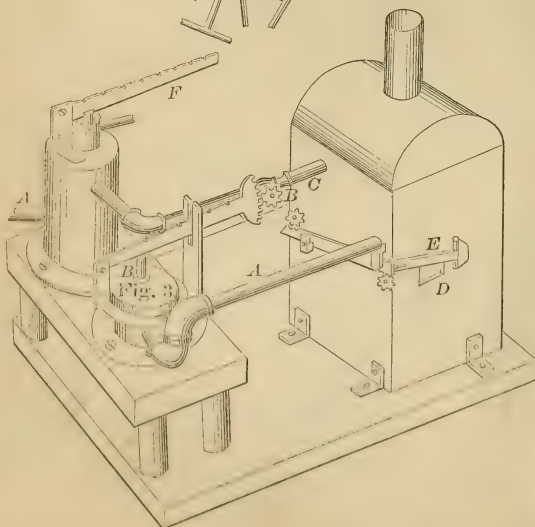
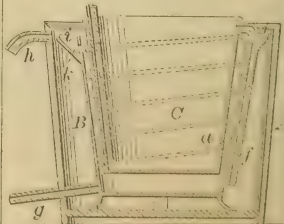
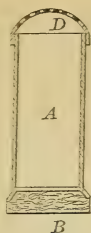
56775—W. P. Miller—*Lamp.*56779—R. Montgomery—*Metallic Plate.*56773—A. B. Mercier—*Clothes Washer.*56777—D. A. Mitchell—*Bridge.*56778—T. Mitchell—*Steam Generator.*

Fig. 2

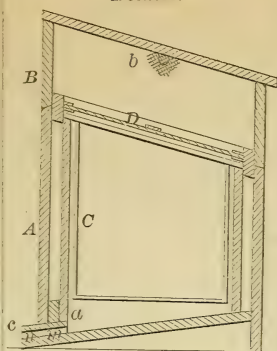
56780—J. O. Moore—*For Cooling Milk.*



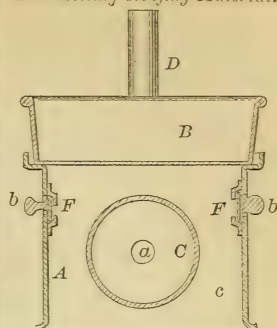
**56781—**  
W. A. Morse—  
*Polishing Box.*



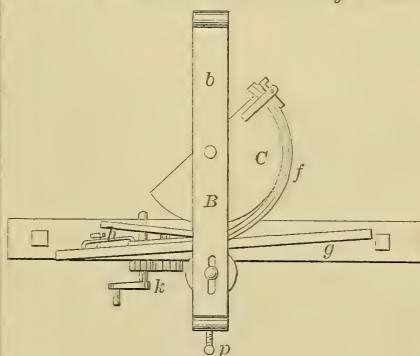
**56782—**M. D. Mulford, Jr.—  
*Beehive.*



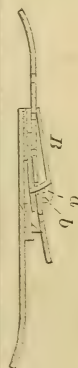
**56783—**J. Mann—*For Heating and Melting Roofing Material.*



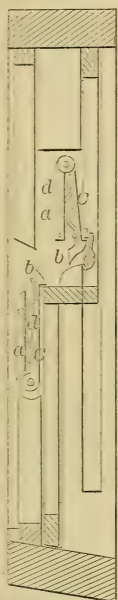
**56788—**J. Newman—*Wood Bending Machine.*



**56785—**N. Murphy—*Buckle.*



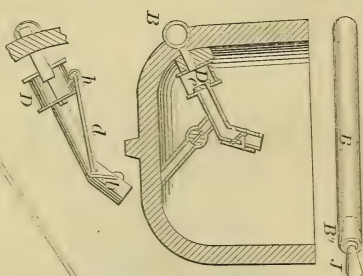
**56786—**H. Naylor—*Shoe Fastening.*



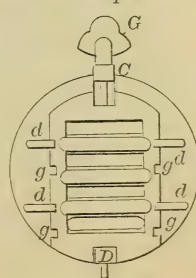
**56787—**C. Neumann—*Hoop Skirt.*



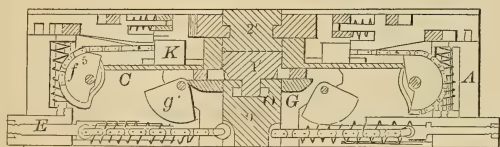
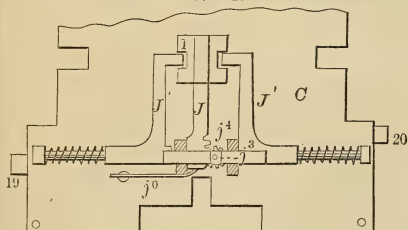
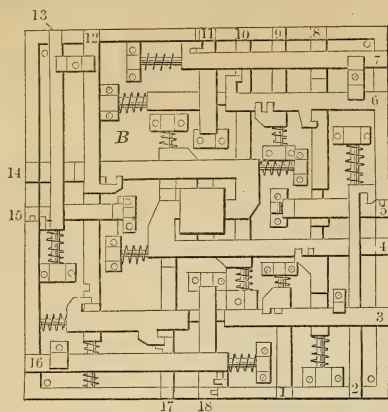
**56784—**F. Murgatroyd—  
*Condensing Steam.*



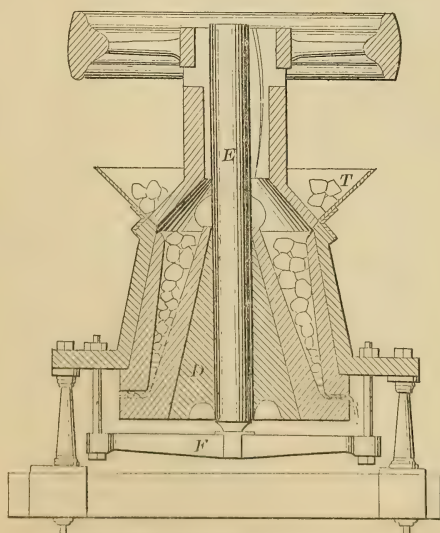
**56789—**W. H. Nutting—*Stove Pipe Damper.*



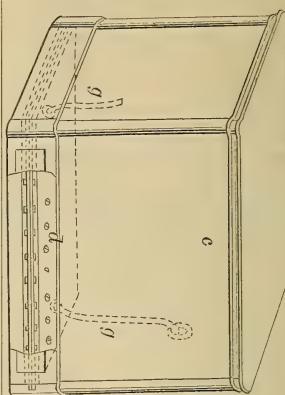
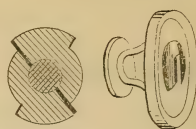
56790—A. A. Oat—*Safe Lock.*



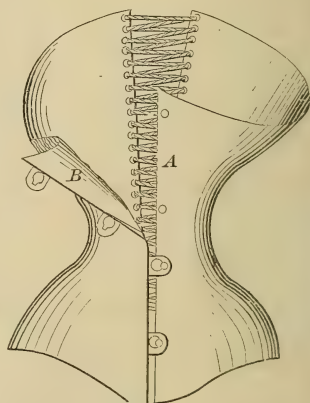
56793—H. Pearce—*Quartz Mill.*



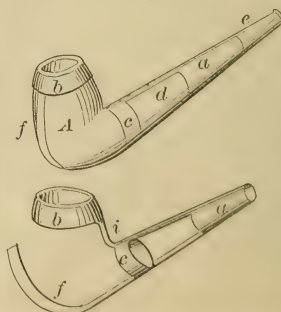
56791—A. W. Overbaugh—  
*Initial Stud.*

56792—G. T. Palmer—*Water Cooler.*

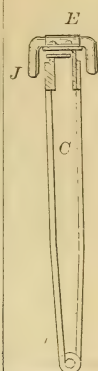
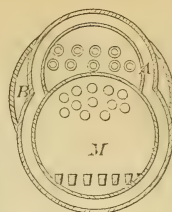
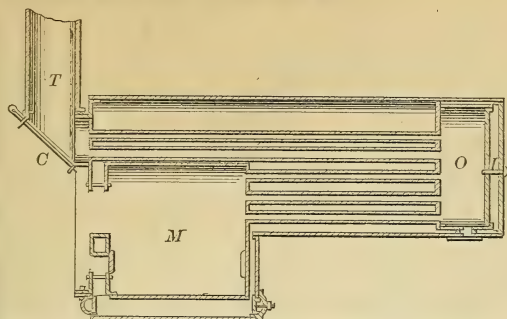
75694—S. M. Perry—*Corset*.



56795—J. W. Petty—*Tobacco Pipe.*

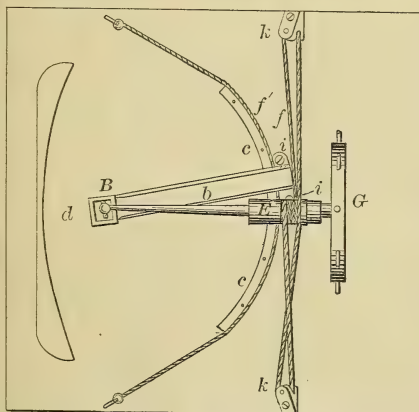


56796—W. Phelan—Steam Generator.

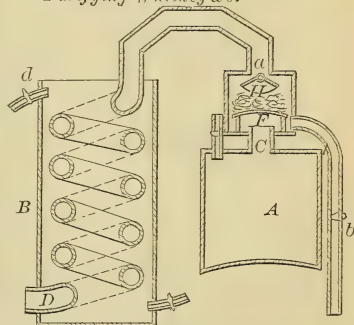


56801—W. Roemer—Treeing Bag.

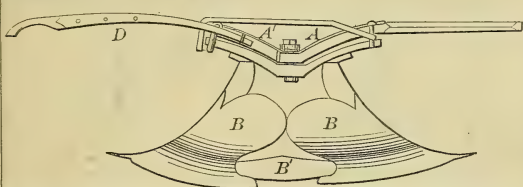
56802—E. Rouse—Steering Apparatus.



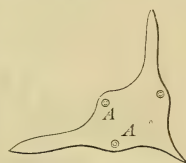
56797—Prentiss & Parsons—For Purifying Whiskey &c.



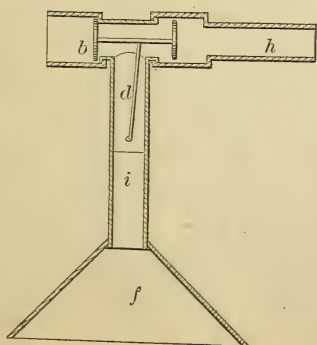
56798—B. Price—Plow.



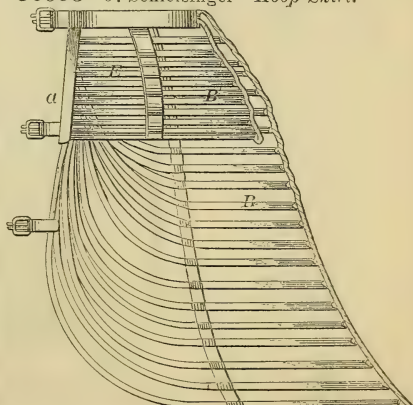
56800—H. C. Richards—Room Protector.



56799—C. Recht—Lamp Shade.

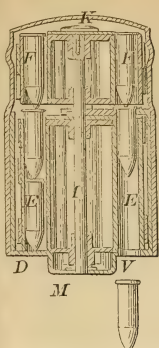


56803—J. Schleisinger—Hoop Skirt.

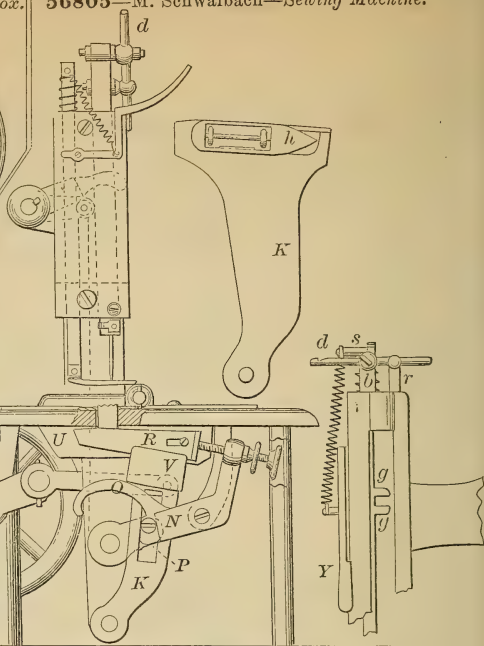




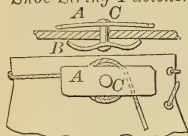
56804—P. F. Schneider—Cartridge Box.



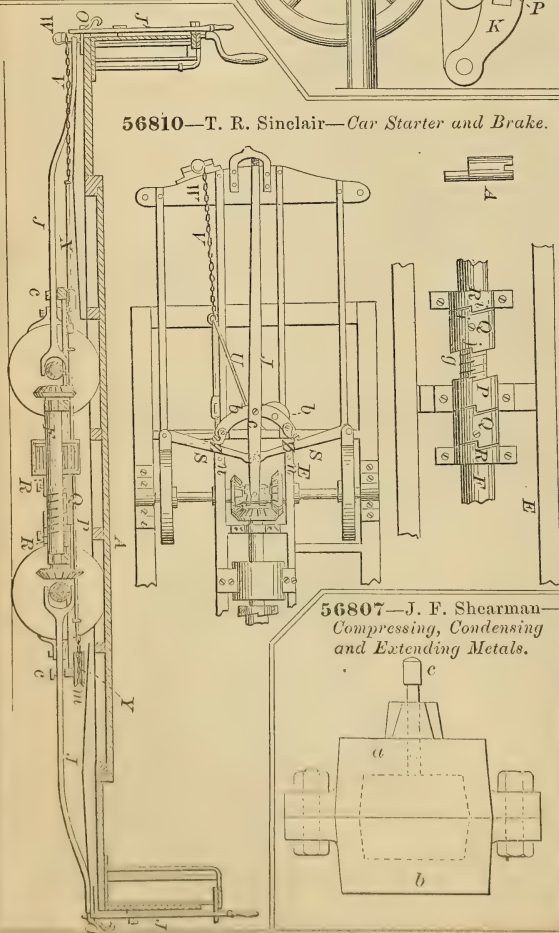
56805—M. Schwalbach—Sewing Machine.



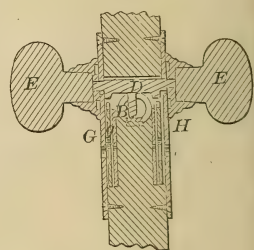
56806—E. S. Scripture—Shoe String Fastener.



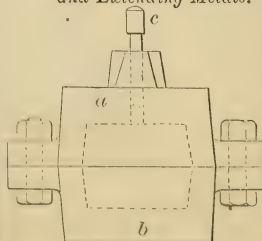
56810—T. R. Sinclair—Car Starter and Brake.



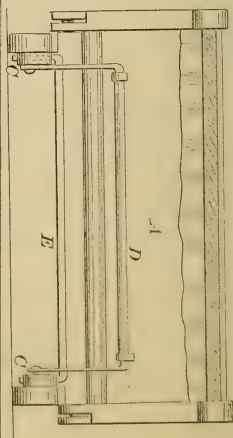
56808—G. A. Sherlock—Lock.



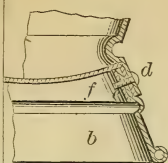
56807—J. F. Shearman—Compressing, Condensing and Extending Metals.



56809—A. &amp; D. Short—Lounge.



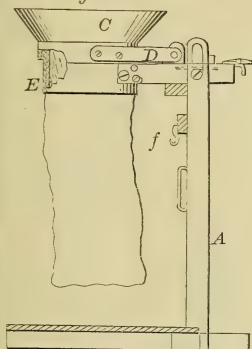
**56812**—G. Smith—  
*Coal Scuttle.*



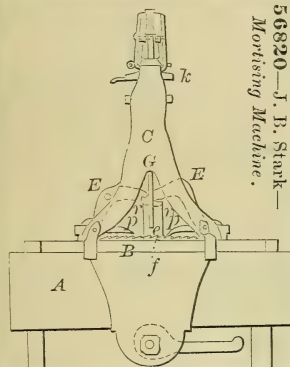
**56811**—  
E. A. & D. L. Smith—  
*Buckle.*



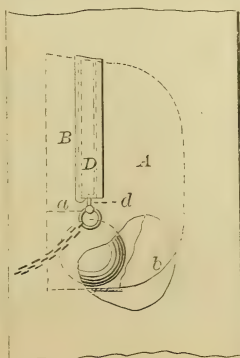
**56819**—W. H. Smith—  
*Bag Holder.*



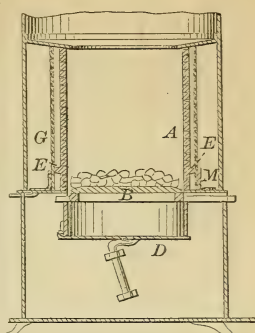
**56820**—J. B. Stark—  
*Mortising Machine.*



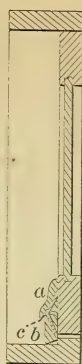
**56821**—P. A. Stecher—*Safety*  
*Pocket.*



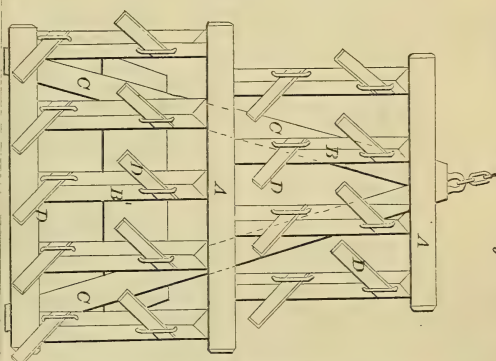
**56816**—S. Smith—*Heating*  
*Apparatus.*



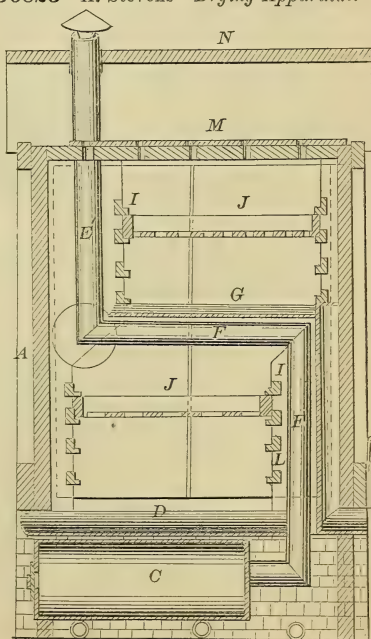
**56813**—J. A. Smith—*Weather Strip.*



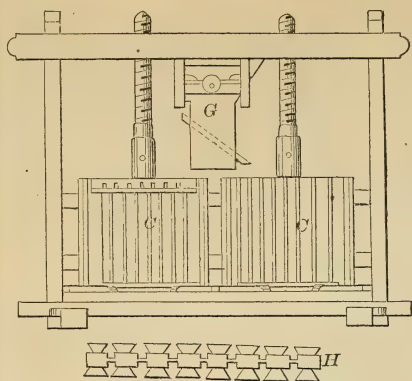
**56822**—C. E. Stecher—*Bag Cutter.*



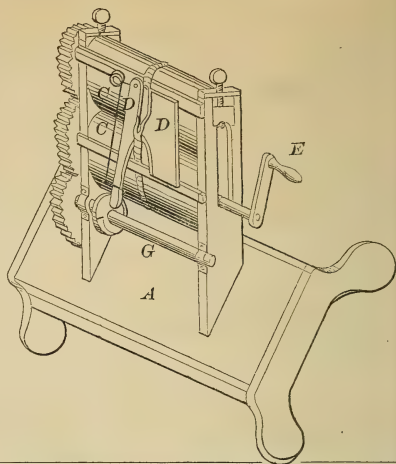
**56823**—A. Stevens—*Drying Apparatus.*



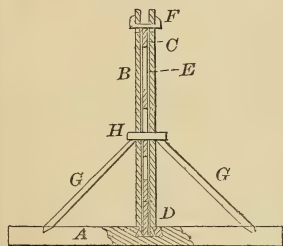
56824—M. Stevens—Cider Mill Press.



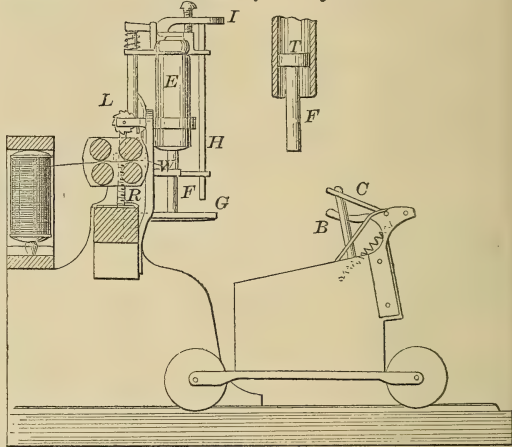
56825—A. C. Stone—For Rolling Metals.



56826—Stone &amp; Blocker—Fence.



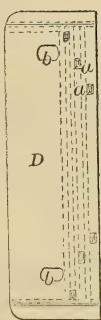
56829—J. Sutherland—Self-Acting Mule.



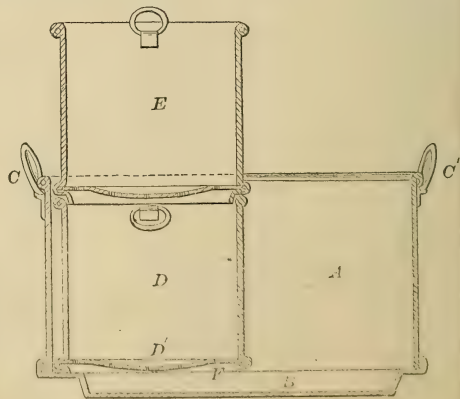
56827—S. S. Stone—Paper Collar.



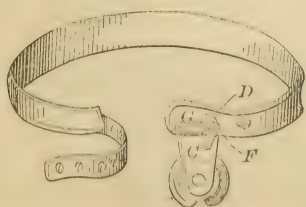
56828—T. Sirobridge—Lock Keeper.



56830—M. A. Taylor—Wash Boiler.

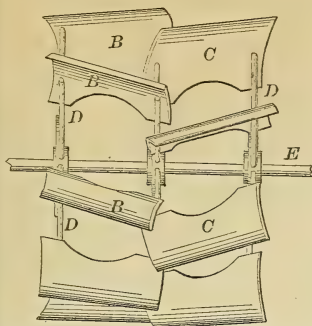


56831—C. W. Thompson—Truss.

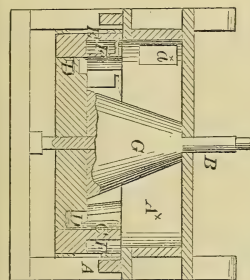
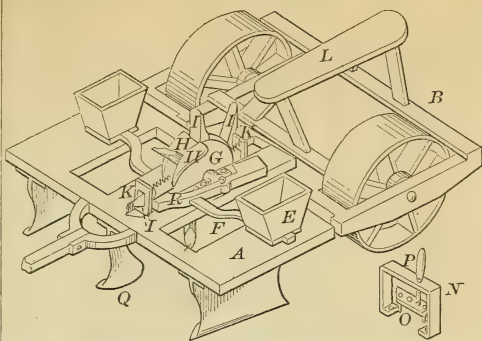




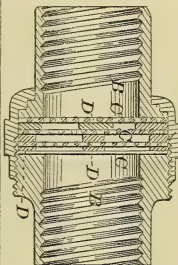
56834—C. A. Todd—*Paddle Wheel.*



56839—D. R. Warfield—*Corn Planter.*

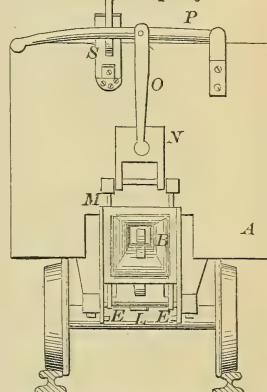


56835—J. Tucker—*Water Wheel.*

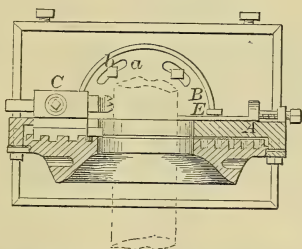


56836—Turrell, Stanton & Ward  
*Gas Pipe Attachment.*

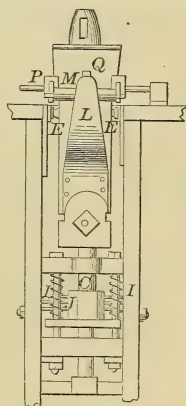
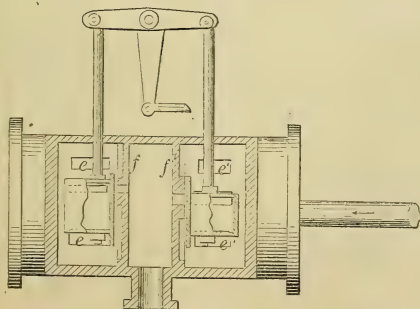
56837—W. Van Valkenburgh—*Car Coupling.*



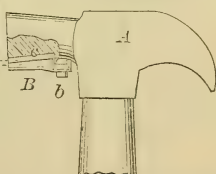
56840—J. Wolfenden—*Lathe.*



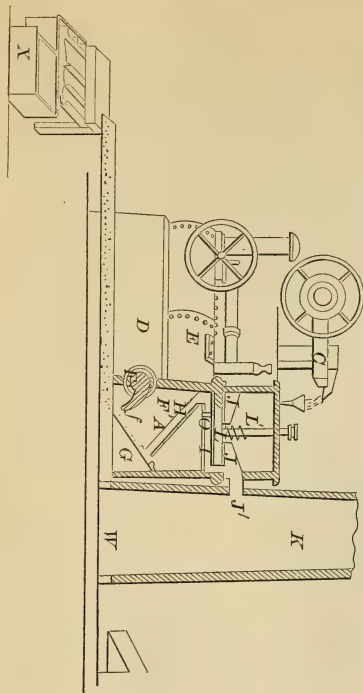
56841—A. H. Woodruff—*Slide Valve.*



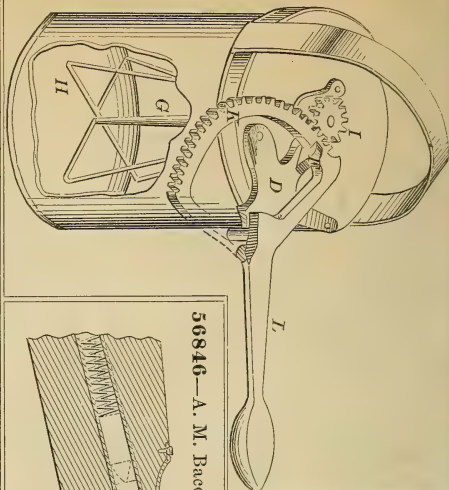
56838—W. G. Ward—*Nail Hammer.*



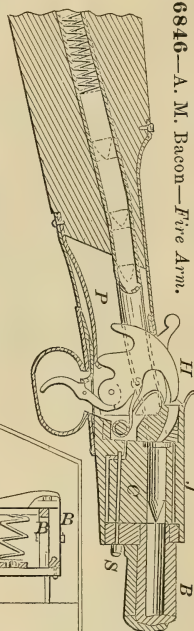
56842—T. D. Worrall—Furnace.



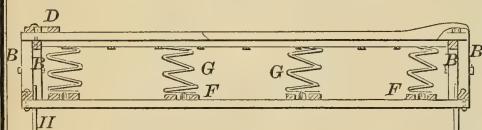
56845—L. B. Alden—Egg Beater.



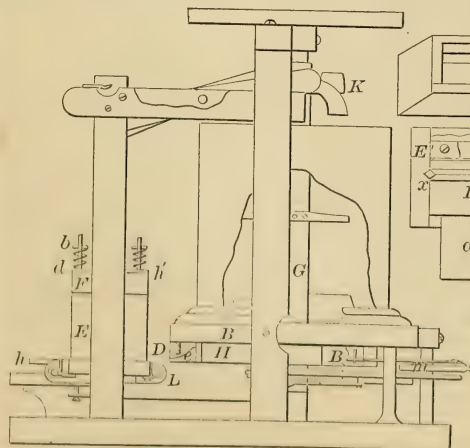
56846—A. M. Bacon—Fire Arm.



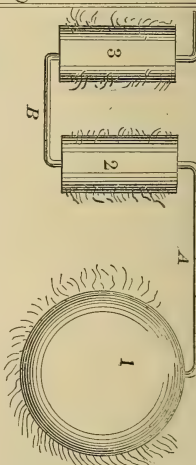
56844—Wilsey &amp; Forbes—Bed Bottom.



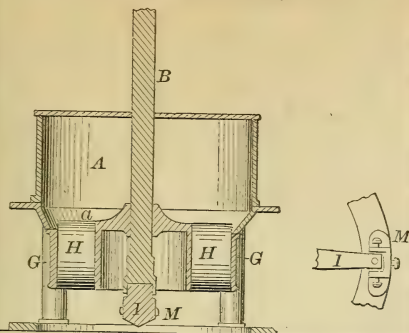
56847—Capron &amp; Winchell—Brick Machine.



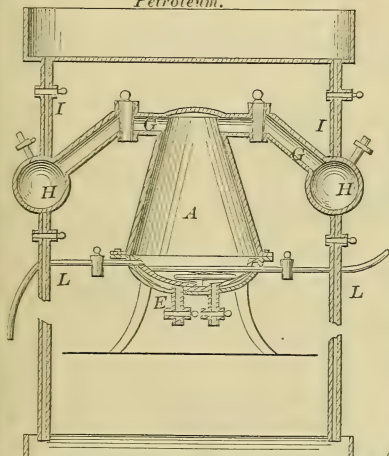
56843—Wren &amp; Barker—Manufacture of tires.



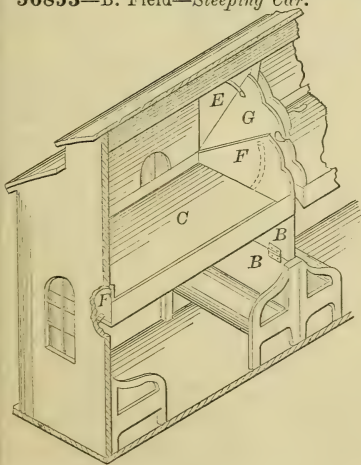
56848—J. D., D. & J. Chase—*Water Wheel.*



56852—M. P. Euring—*For Distilling Petroleum.*



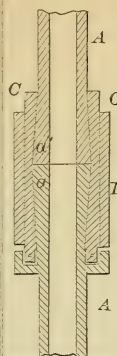
56853—B. Field—*Sleeping Car.*



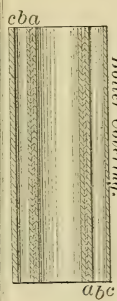
56854—S. Hodgins—*Paper Collar Fastening.*



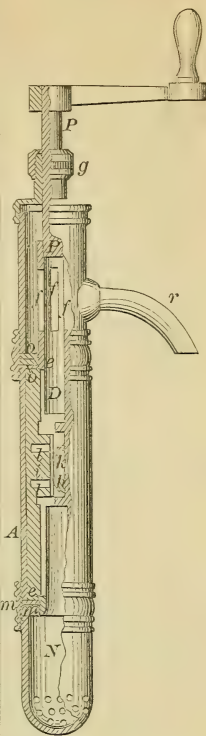
56849—D. Bailey—*Rod Coupling.*



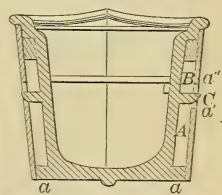
56856—E. C. Little—*Steam Pipe and Boiler Covering.*



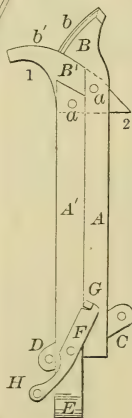
56850—R. Delrees—*Rotary Pump.*



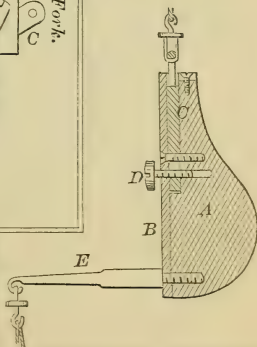
56855—W. Hughes—*Life Boat.*



56851—J. B. Drake—*Horse Hay Fork.*

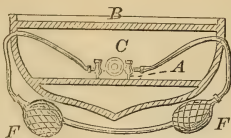


56857—J. R. Martin—*Fishing Line.*

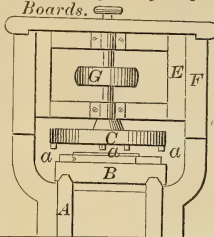




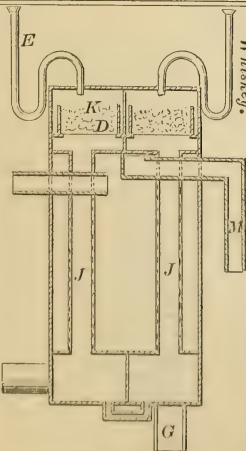
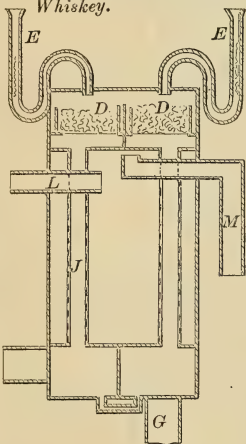
**56858**—T. C. McKeen—  
For Buoying Vessels.



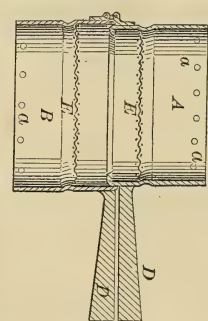
**56862**—M. Pratt—For  
Smoothing Ivory Key  
Boards.



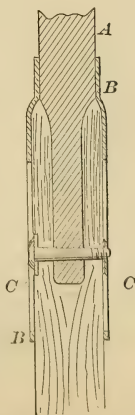
**56863**—Prentiss &  
Robertson—For Purifying  
Whiskey.



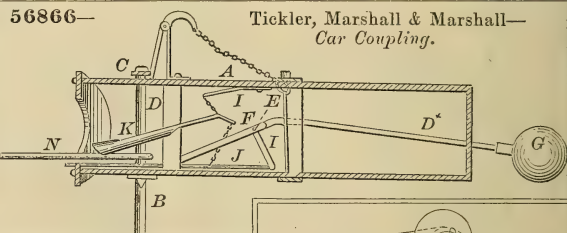
**56864**—Prentiss & Robertson—For Deodorizing  
Whiskey.



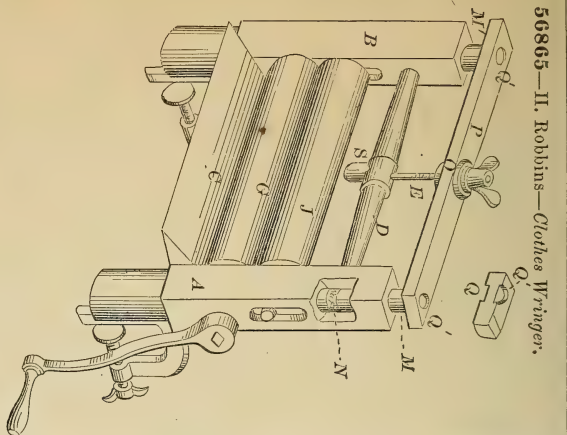
**56861**—P. Plant—Coffee Roaster.



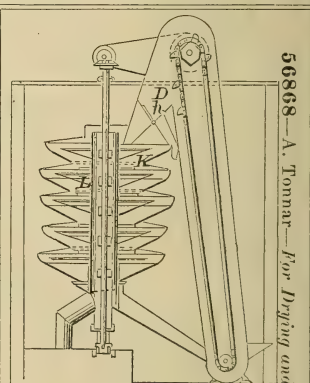
**56859**—W. A. Middleton—Broom Head.



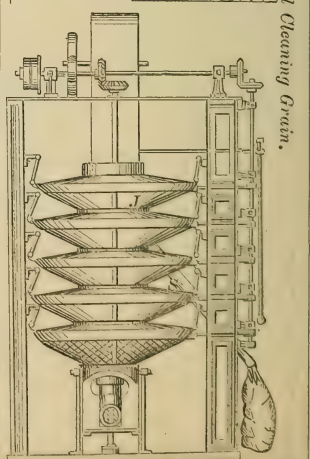
**56866**—  
Tickler, Marshall & Marshall—  
Car Coupling.



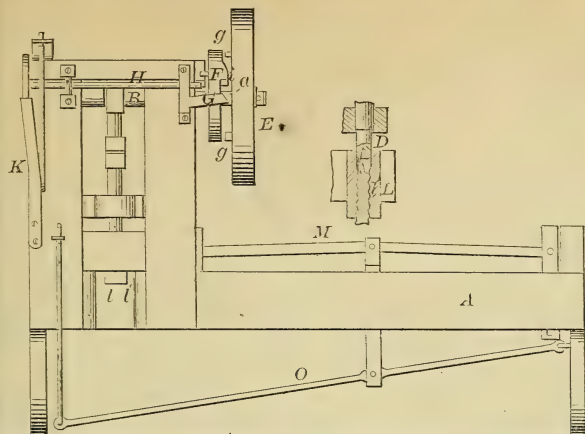
**56865**—H. Robbins—Clothes Wringer.



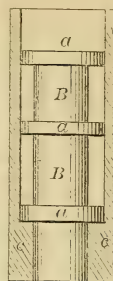
**56868**—A. Tomnar—For Drying and Cleaning Grain.



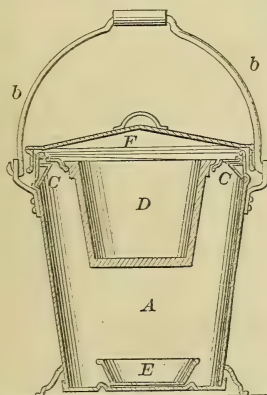
56869—R. Jennings—For Swaging Screw Auger Heads.



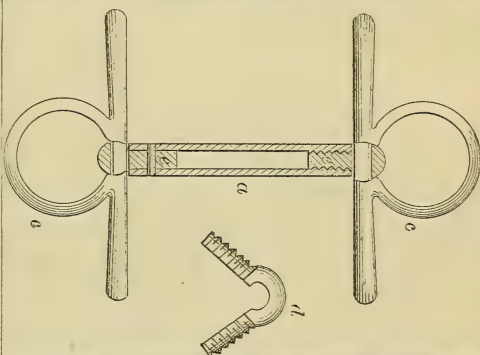
56871—M. J. Atthouse—Pump.



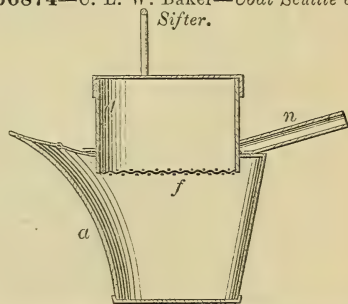
56870—H. J. Alvord—Disinfecting Commode.



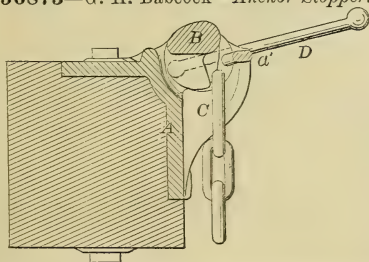
56872—S. D. Arnold—Bridle Bit.



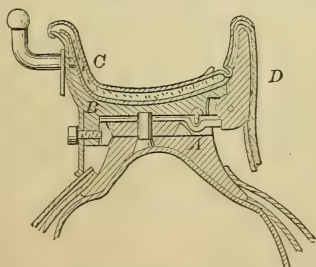
56874—C. L. W. Baker—Coal Scuttle and Sifter.



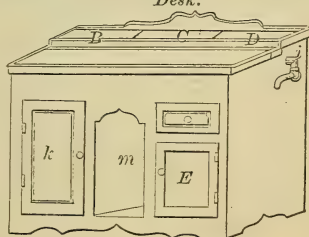
56873—G. H. Babcock—Anchor Stopper.



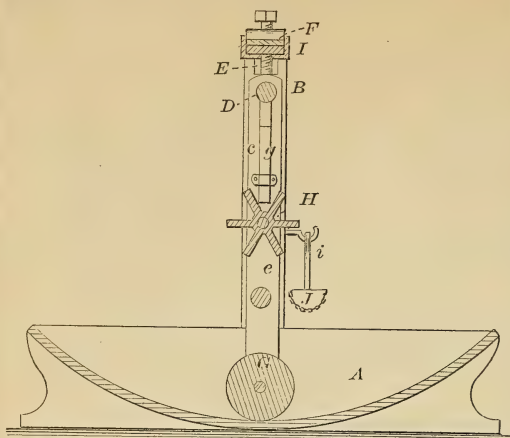
56875—C. A. Bartlett—Side Saddle.



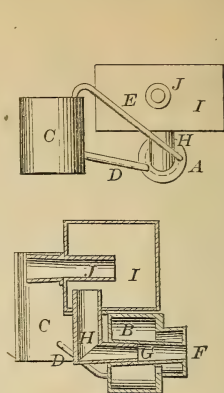
56876—D. W. Bashore—Washstand and Desk.



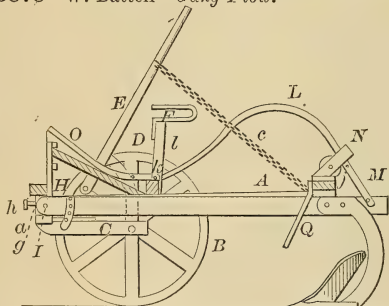
56877—C. Bates—Crushing and Rolling Machine.



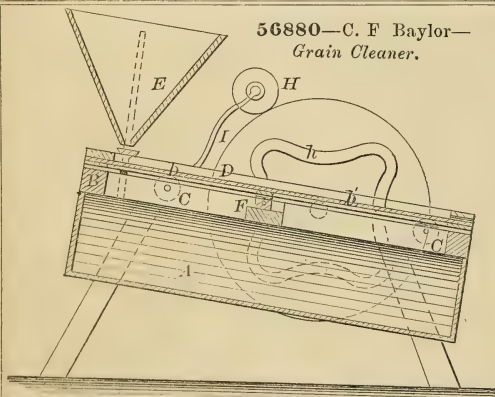
56879—J. Bayliss—Tuyere.



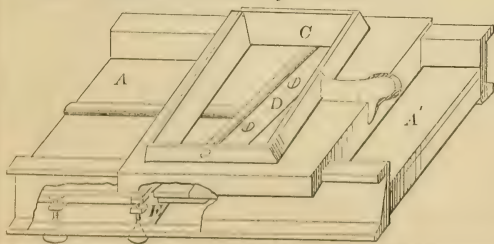
56878—W. Battell—Gang Plow.



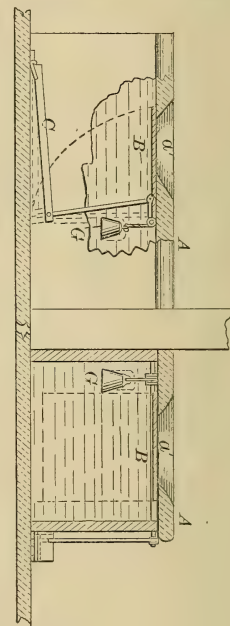
56880—C. F. Baylor—Grain Cleaner.



56883—J. Bell—Stave Cutting Machine.



56881—W. Beach—Priez Seat Cover.

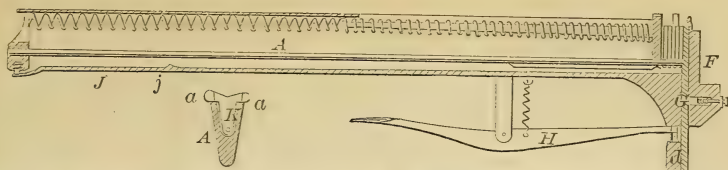


56882—W. L. Beardsley—Last.

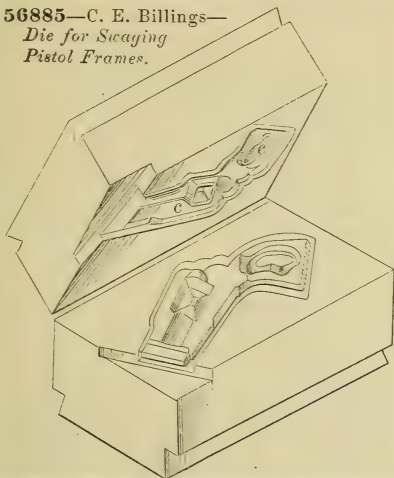




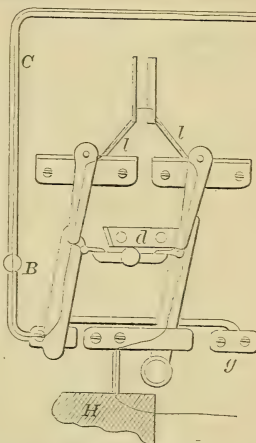
**56884**—A. C. Betts—*For Driving Staples.*



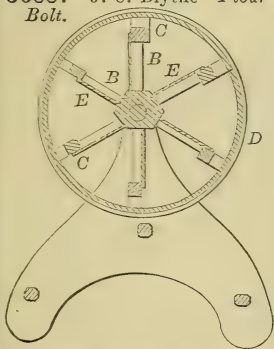
**56885**—C. E. Billings—*Die for Seaming Pistol Frames.*



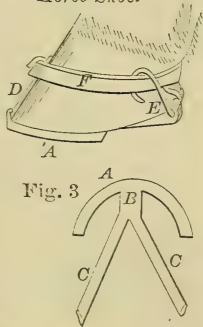
**56886**—J. Blackie—*Electric Telegraph.*



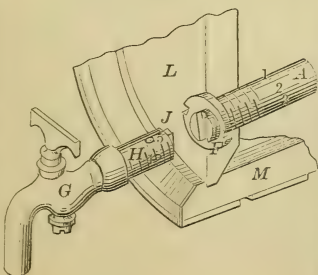
**56887**—J. C. Blythe—*Flour Bolt.*



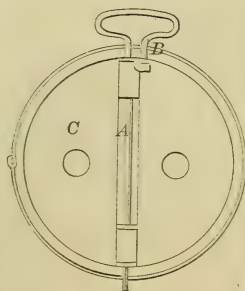
**56888**—G. Bonnet—*Horse Shoe.*



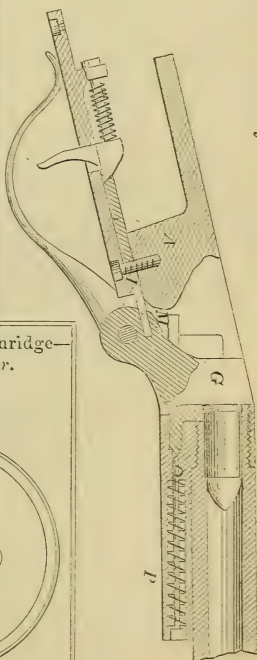
**56889**—W. Boynton—*Tapping Barrels.*



**56891**—R. M. Breckinridge—*Stove Pipe Damper.*



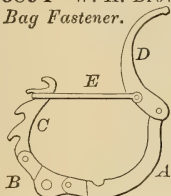
**56890**—I. Bradley—*Fire Arm.*



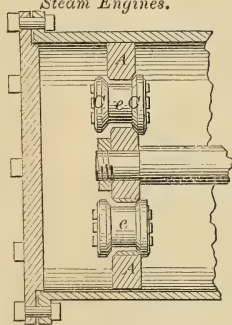
56892—S. O. Brigham—Body Conformer.



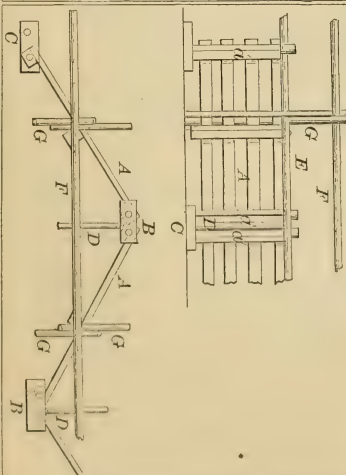
56894—W. H. Brown—Bag Fastener.



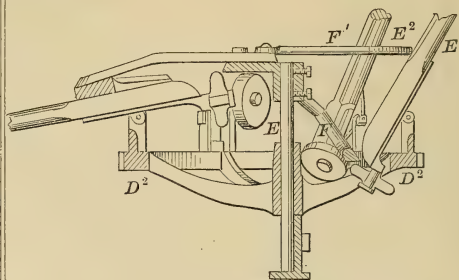
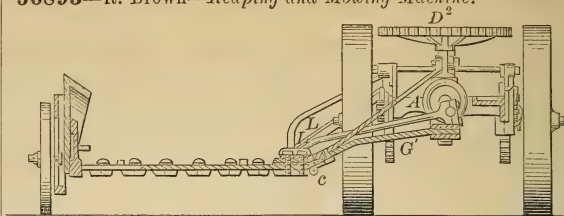
56898—S. G. Cabell—Operating Steam Engines.



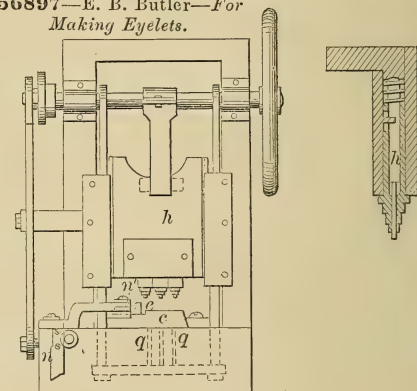
56895—W. H. Brown—Fence.



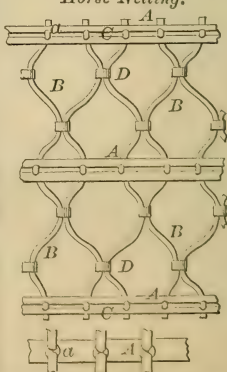
56893—R. Brown—Reaping and Mowing Machine.



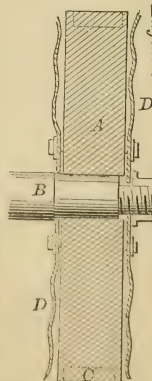
56897—E. B. Butler—For Making Eyelets.



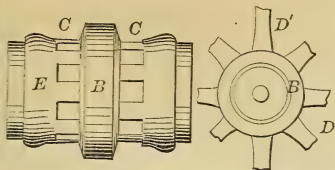
56900—Cantner &amp; Uhlrich—Horse Netting.



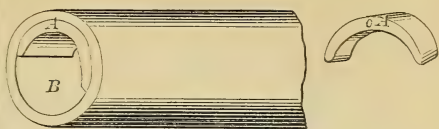
56899—S. G. Cabell—Piston for Steam Engines.



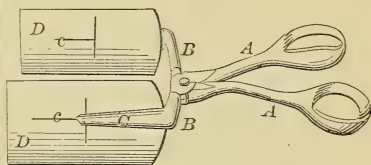
56901—J. Carlin—Wheel.



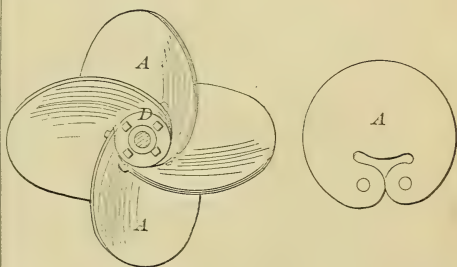
56905—C. W. Copeland—Tube Thimble.



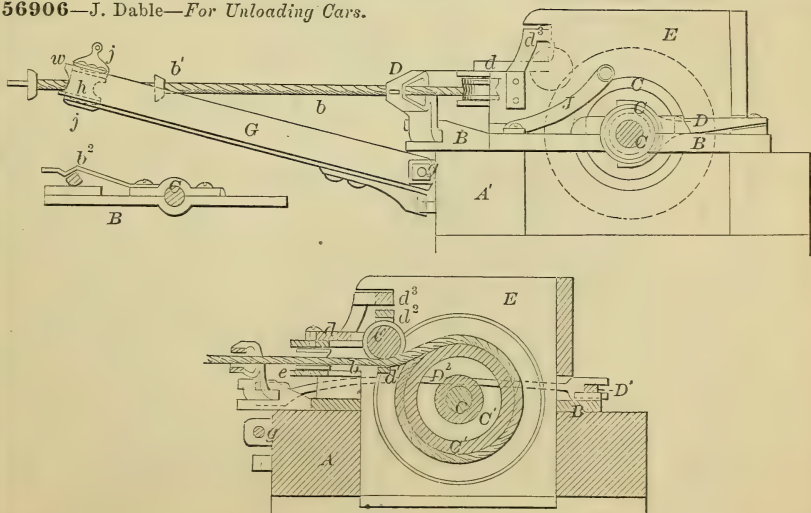
56904—J. S. Clarke—Butter Tongs.



56907—W. E. Davis—Propeller Screw.

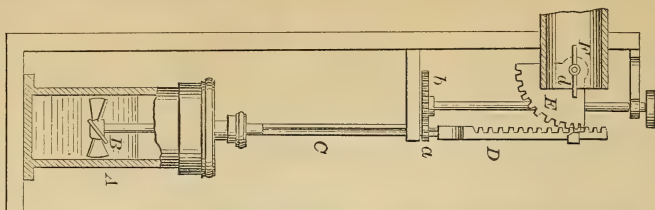


56906—J. Dable—For Unloading Cars.

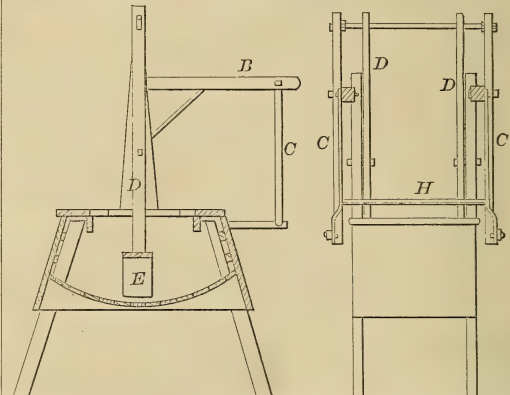




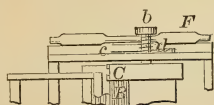
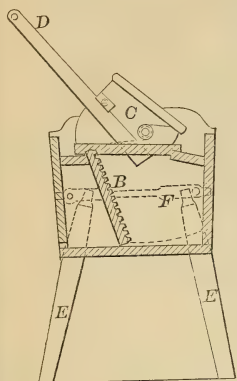
56908—J. Degnon—Governor.



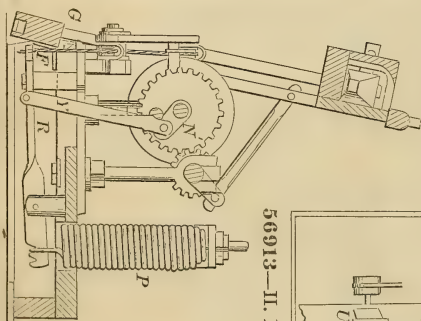
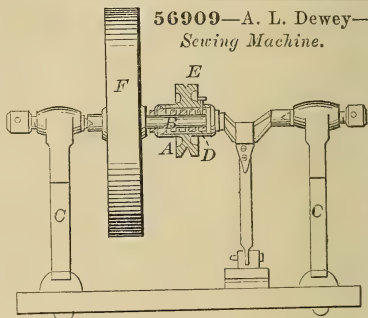
56911—Durant &amp; Grissirn—Washing Machine.



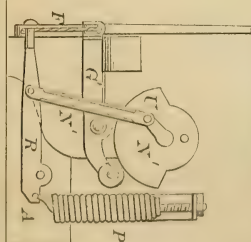
56910—W. M., E. P. &amp; E. Doty—Washing Machine.



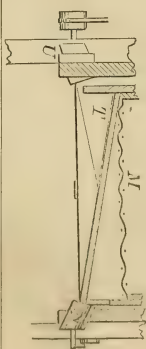
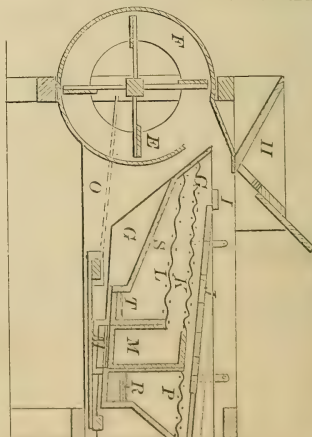
56909—A. L. Dewey—Sewing Machine.



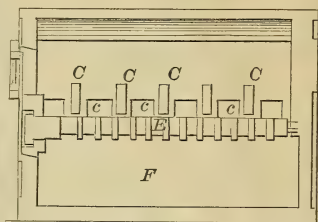
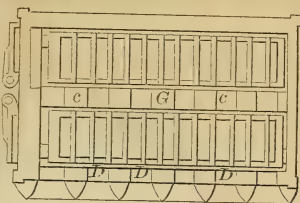
56913—H. Elliott—Power Loom.



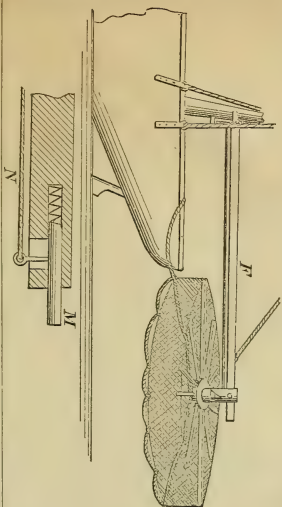
56912—C. K. Ehle—Fanning Mill.



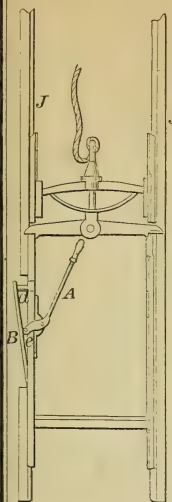
56919—J. Fieldhouse—Furnace.



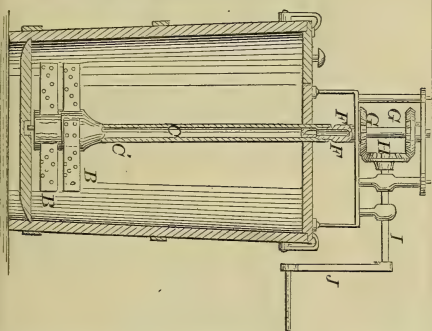
56917—Fert & Larkins—Fishing Apparatus.



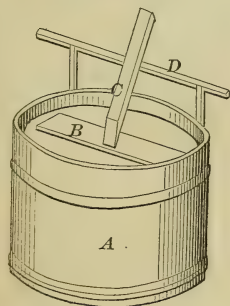
56915—J. Evans—Cage for Mines.



56918—W. S. Ferrier—Churn.



56916—M. W. Everitt—  
For Tempering Chisels.



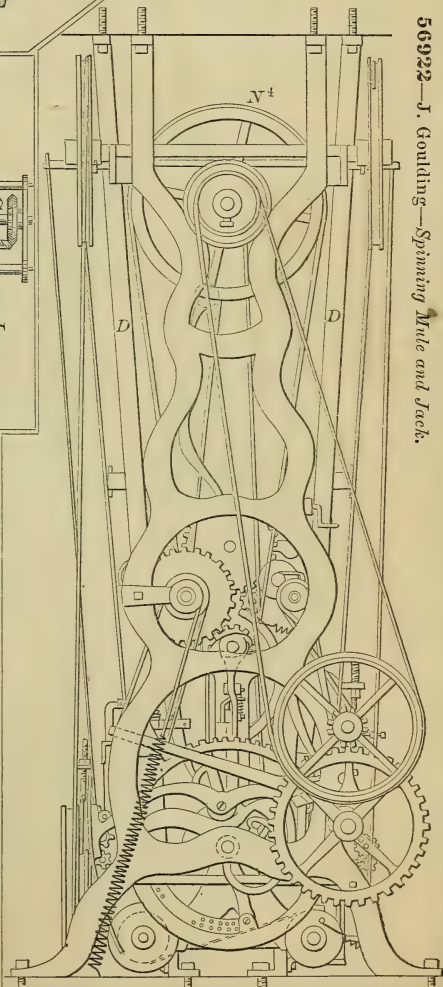
56921—S. T. Fowler—  
Boots and Shoes.



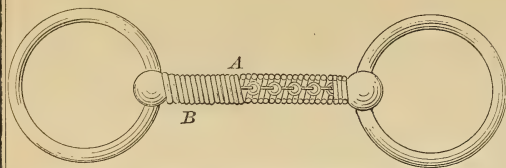
56920—J. T. Foster—Pen Holder.



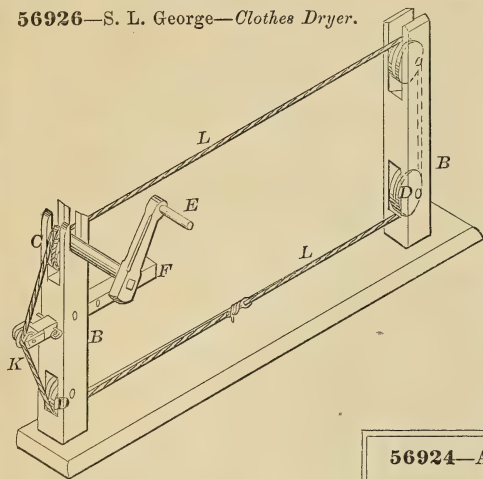
56922—J. Gouling—Spinning Mule and Jack.



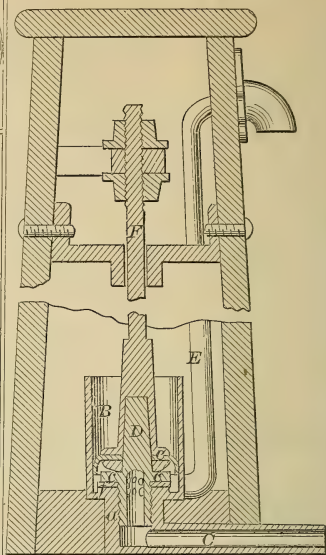
56923—F. N. Frost—Bridle Bit.



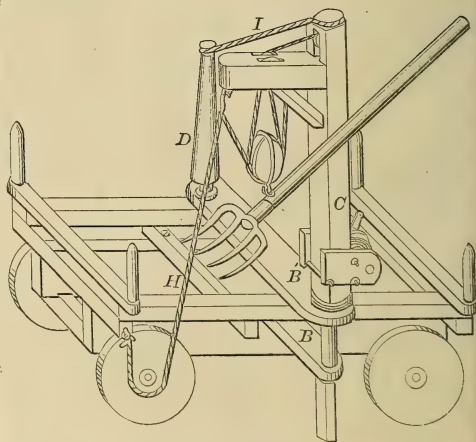
56926—S. L. George—Clothes Dryer.



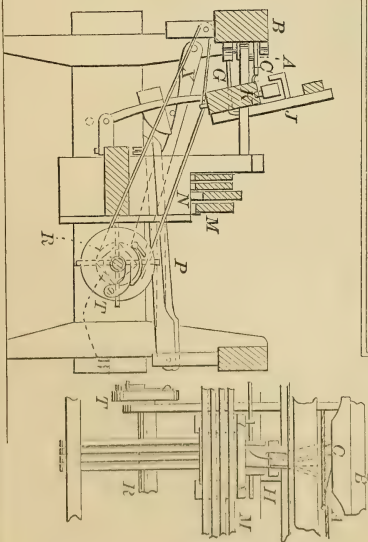
56927—N. B. Gousha—Hydrant.



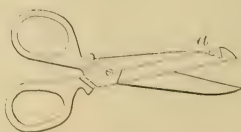
56924—A. Fuller—Hay Loader.



56925—A. P. Garretson—Loom.

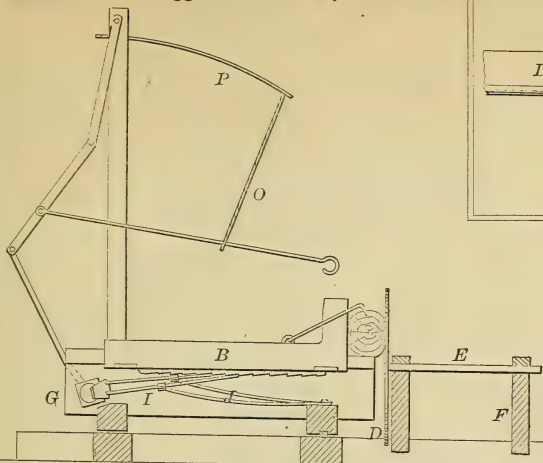


56928—Grier &amp; Boyd—Scissors.

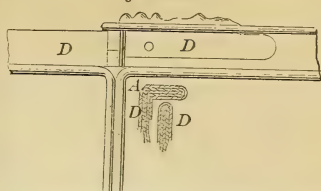




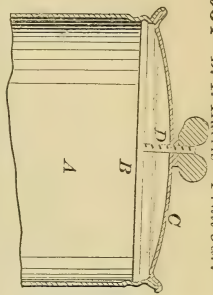
56929—J. A. Griggs—Head Block for Saw Mills.



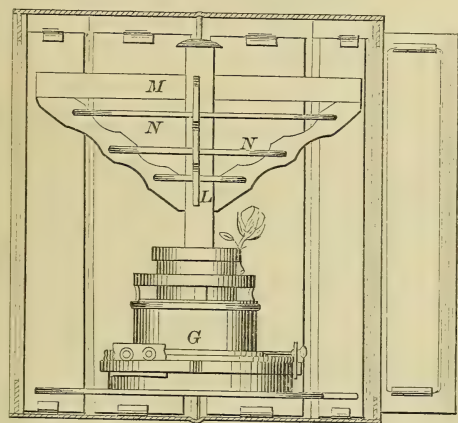
56930—N. Groel—Traveling Bag Frame.



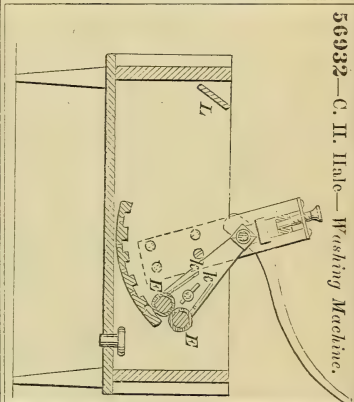
56934—B. I. Harris—Fruit Jar.



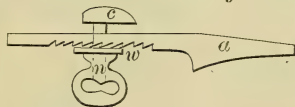
56931—J. Haines—Shoe Case.



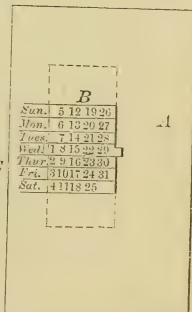
56932—C. H. Hale—Washing Machine.



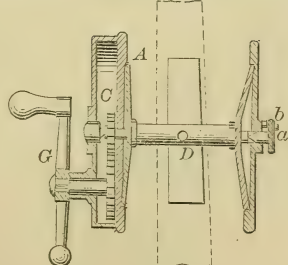
56933—M. P. Hall—Key Fastener.



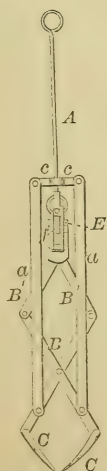
56935—H. Harris—Perpetual Calendar



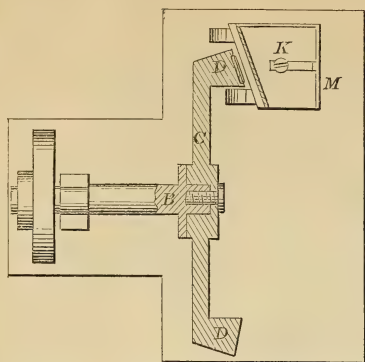
56937—A. B. Hartill—Fishing Line Reel.



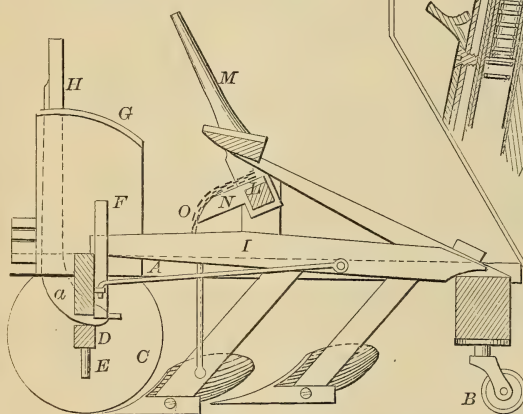
56936—S. & D. Harris—Horse Fly Fork.



**56938**—C. H. Helms—*Leather Chamfering Machine.*



**56942**—S. Hutchinson—*Gang Plow.*

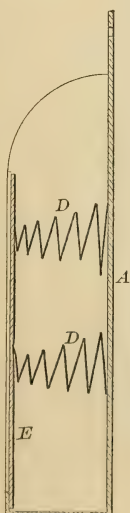


**56943**—G. N. Jackson—*Sliding Slate.*

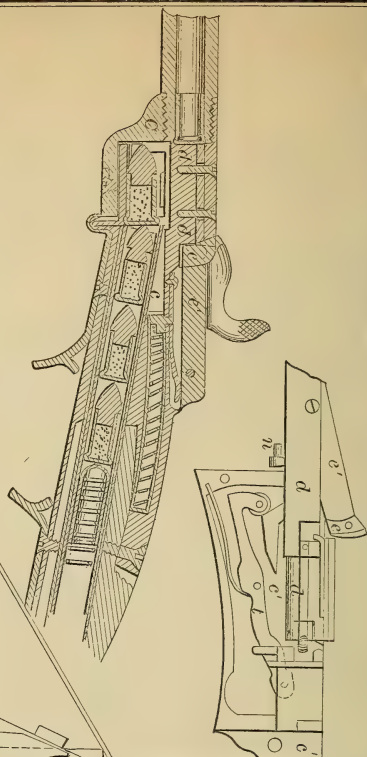
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<i>A</i>	987	449	925	987	912	317	184	<i>A</i>						
<i>B</i>	905	788	884	425	875	995	337	<i>B</i>						
<i>C</i>	679	435	568	572	617	872	692	<i>C</i>						
<i>D</i>	369	603	410	563	419	312	438	<i>D</i>						
<i>E</i>	153	467	856	216	575	429	418	<i>E</i>						
<i>F</i>	953	205	355	649	876	807	447	<i>F</i>						

<i>X</i>	872	824	824	716	617	897	910	<i>X</i>
<i>Y</i>	444	764	405	425	427	476	511	<i>Y</i>
	13	17	16	15	14	13	12	11
	10	9	8	7	6	5	4	3
	2	1						

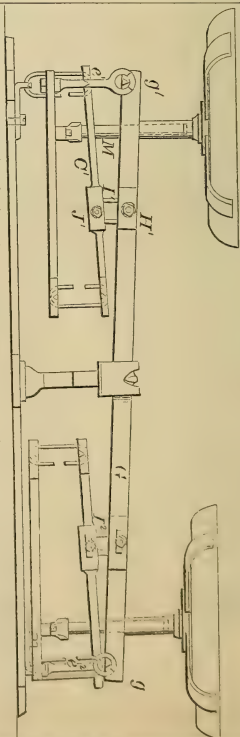
**56941**—M. L. M. Hussey—*Filing Documents.*



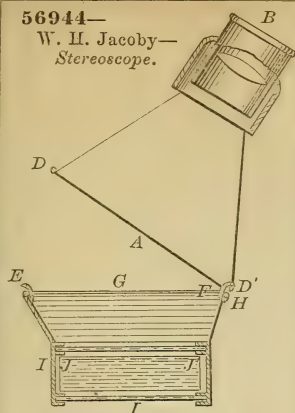
**56939**—H. W. Hayden—*Fire Arm.*



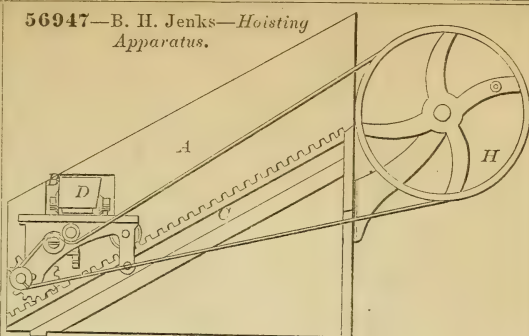
**56940**—C. E. Hoffmann—*Scissors.*



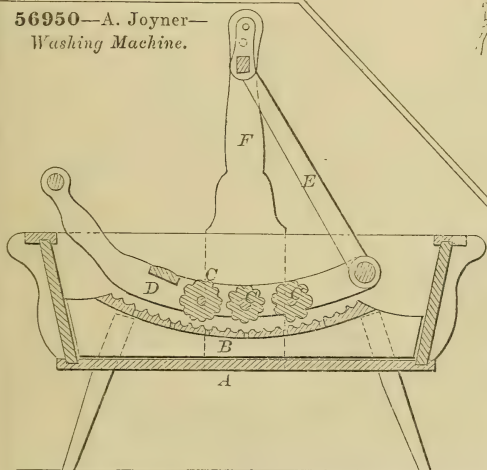
**56944—**  
W. H. Jacoby—  
*Stereoscope.*



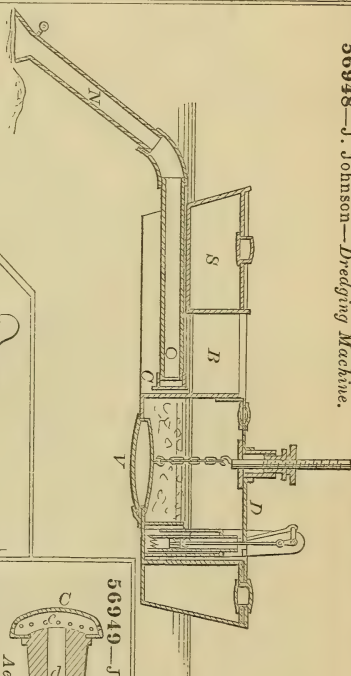
**56947—**B. H. Jenks—*Hoisting Apparatus.*



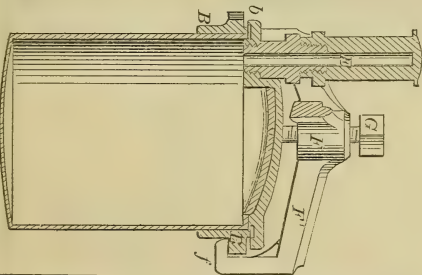
**56950—**A. Joyner—  
*Washing Machine.*



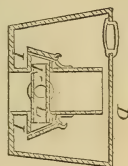
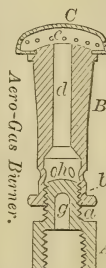
**56948—**J. Johnson—*Dredging Machine.*



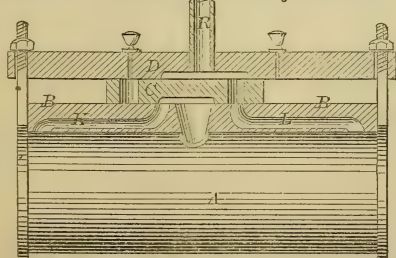
**56945—**C. H. James—*Dentist's Vulcanizer.*



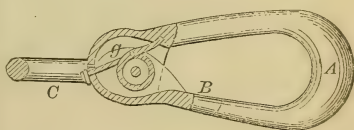
**56949—**Jones & Collins—  
*Aero-Gas Burner.*



**56946—**A. Jamison—*Steam Engine Valve.*

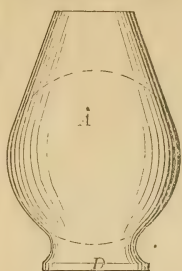


**56951—**O. S. Judd—*Snap Hook.*

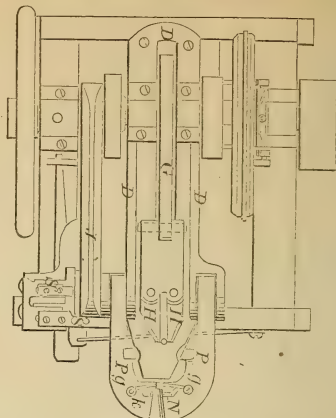
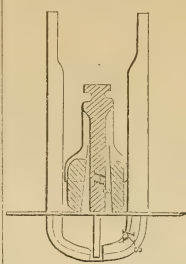




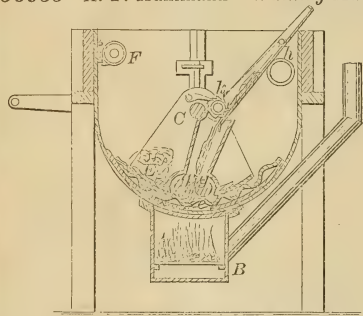
**56952**—A. Judson—*Lamp Chimney.*



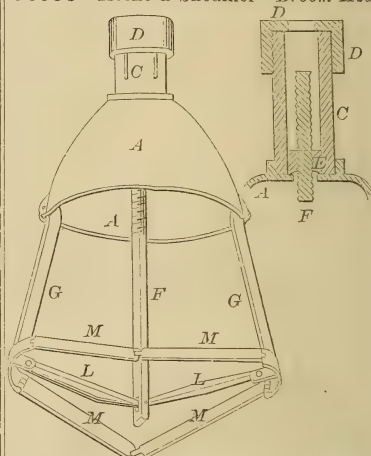
**56954**—H. B. Kinney—*For Making Forks.*



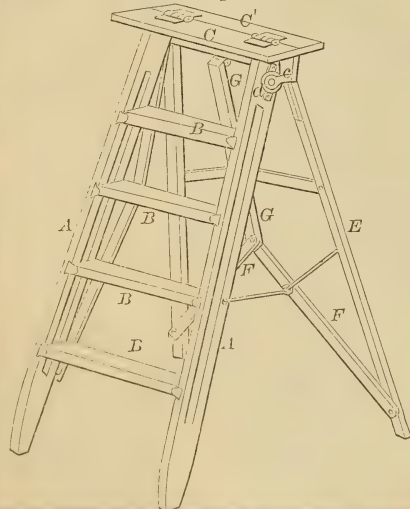
**56955**—A. F. Kuhlmann—*Washing Machine.*



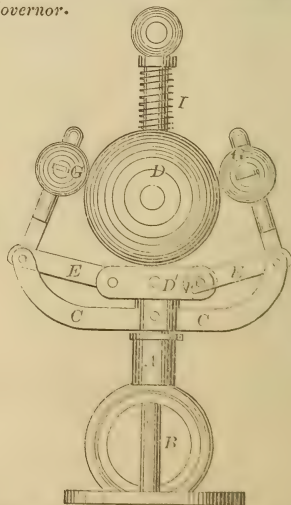
**56953**—Keene & Snediker—*Broom Head.*



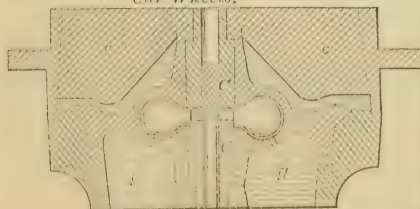
**56957**—J. S. Lash—*Step Ladder.*



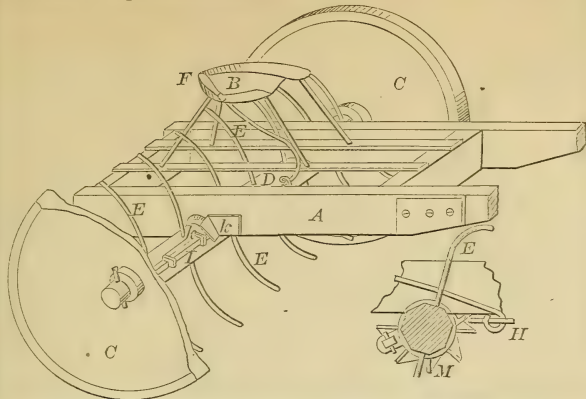
**56956**—T. S. La France—*Steam Engine Governor.*



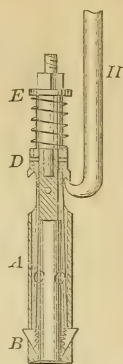
**56958**—J. W. Latcher—*Centre Chill for Car Wheels.*



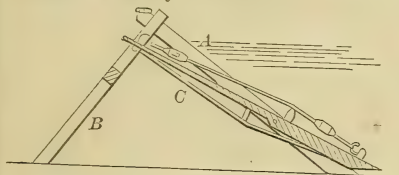
56960—Lugenbell & Barns—*Horse Rake.*



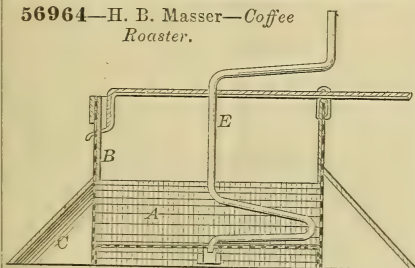
**56961**—J. H. Luther—  
*Grab for Oil Wells.*



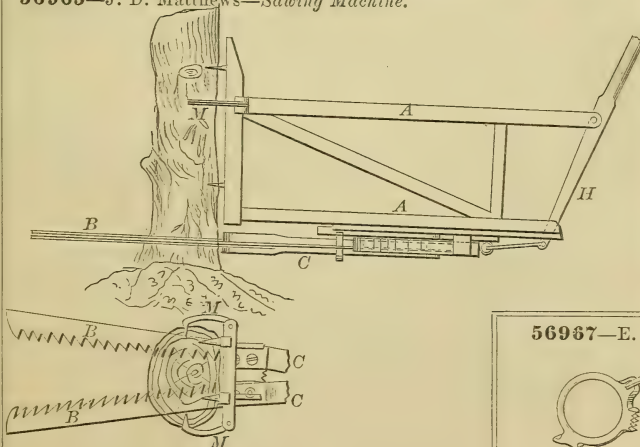
56962—J Malby—*Flood Gate.*



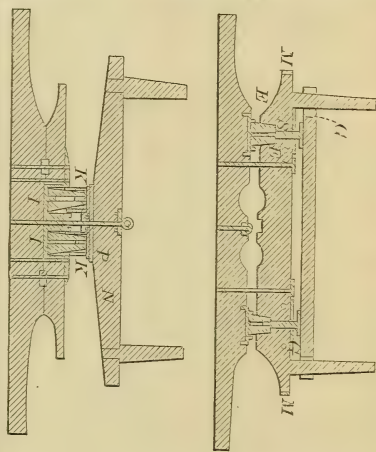
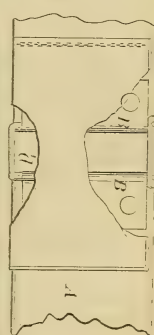
56964—H. B. Masser—*Coffee Roaster.*



56965—J. D. Matthews—*Sawing Machine.*



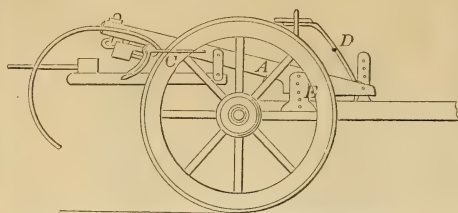
56963—O. S. Martin—Wagon.

56966--J. Matrix-Belt Coupling.  $F$   $E$   $F$ 

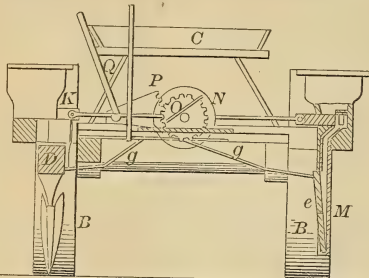
56967—E. Maynard—*Eye Glass.*



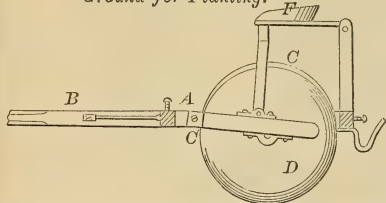
56968—W. McCord—Horse Rake.



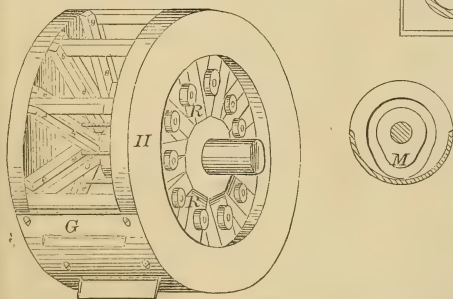
56969—O. C. McCune—Corn Planter.



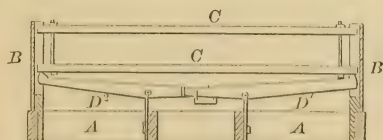
56970—P. McQuaid—For Marking Ground for Planting.



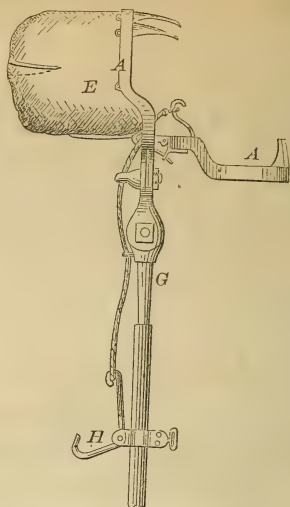
56973—J. Merkel—Paddle Wheel.



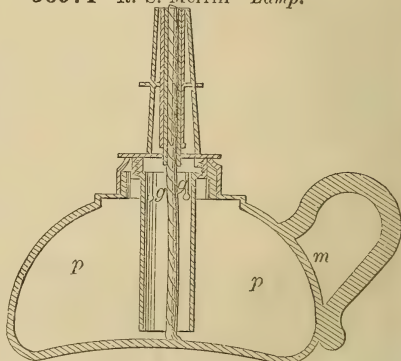
56976—C. Miller—Harness Motion for Looms.



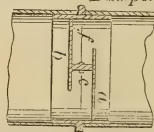
56972—S. Mellinger, Jr.—Fruit Gatherer.



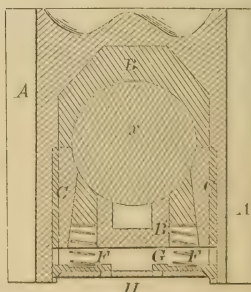
56974—R. S. Merrill—Lamp.



56975—B. F. Miller—Store Pipe Damper.

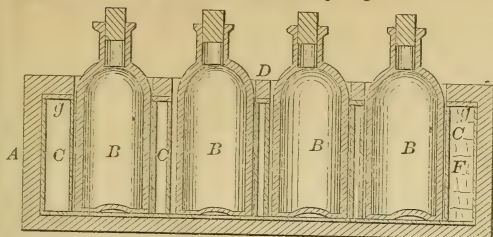


56977—M. V. Miller—Axle Box.

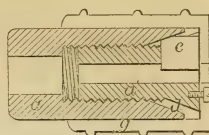




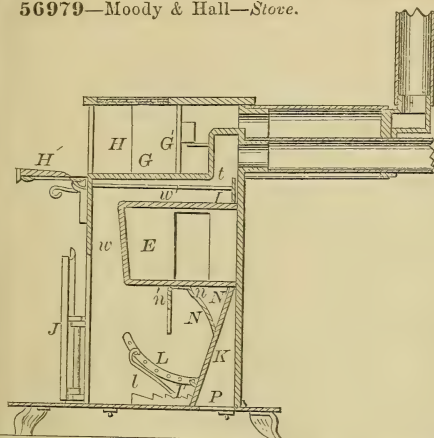
56978—T. H. Miller—For Cooling Liquors.



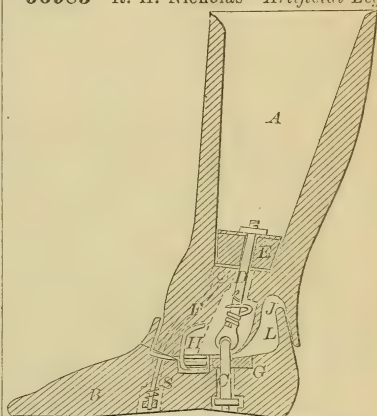
56981—R. W. Morse—Chuck.



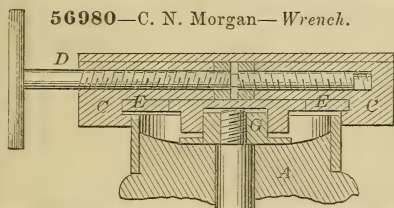
56979—Moody & Hall—Stove.



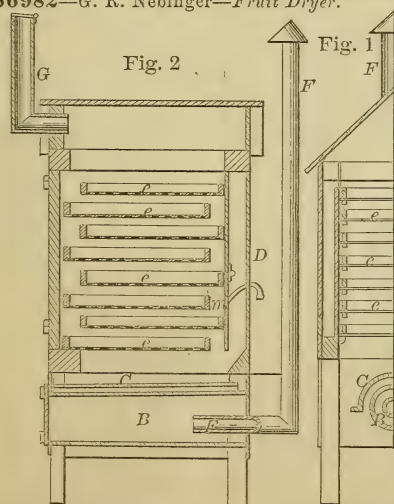
56983—R. H. Nicholas—Artificial Leg.



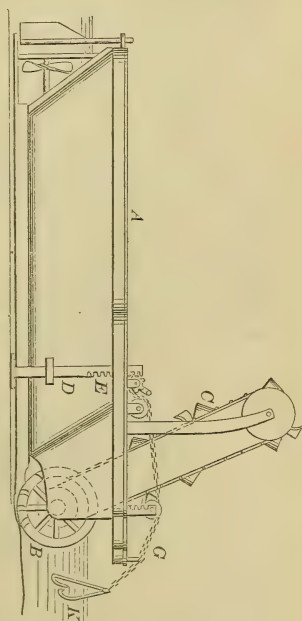
56980—C. N. Morgan—Wrench.



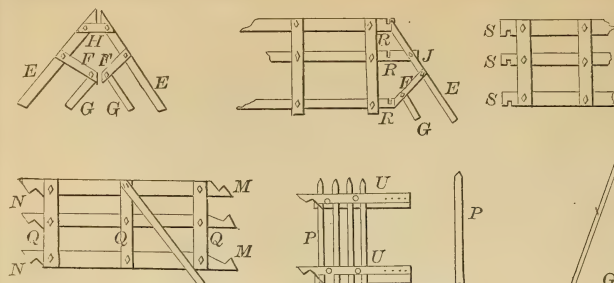
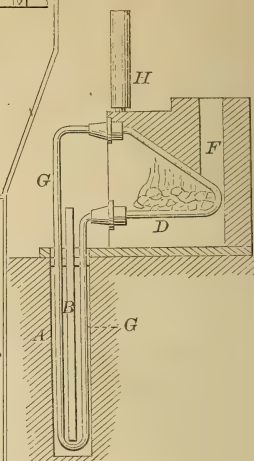
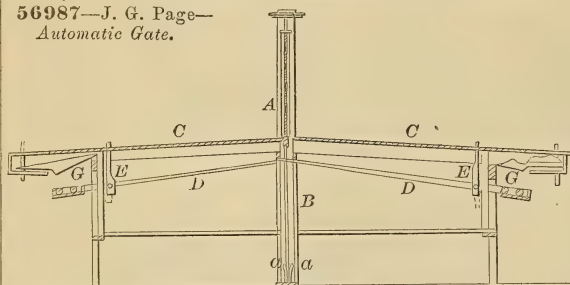
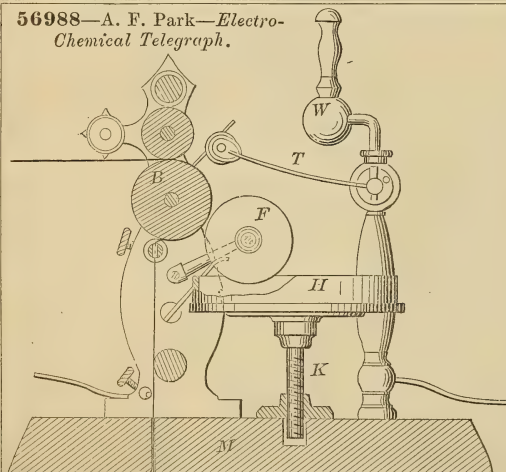
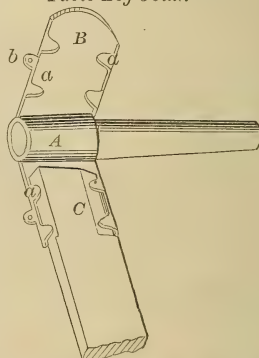
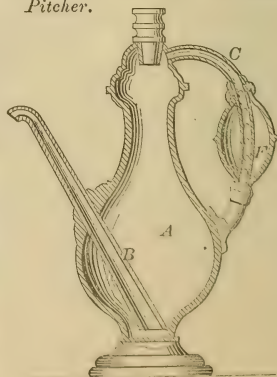
56982—G. R. Nebinger—Fruit Dryer.



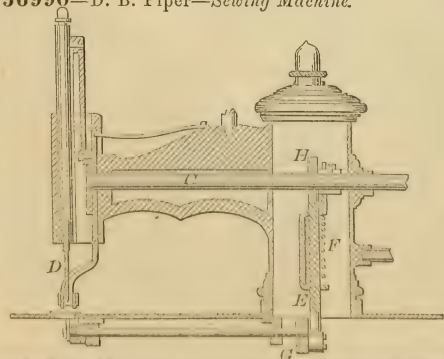
56984—W. H. Nobles—Drying Machine.



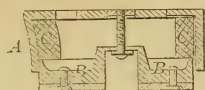
56985—E. Odell—Fence.

56989—L. Phleger—  
Obtaining Oil from  
Wells.56987—J. G. Page—  
Automatic Gate.56988—A. F. Park—Electro-  
Chemical Telegraph.56986—S. Oppenheimer—  
Table Leg Joint.56991—M. Robbins—Molasses  
Pitcher.

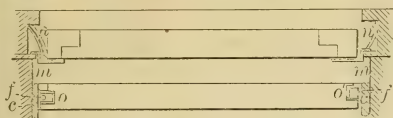
56990—D. B. Piper—Sewing Machine.



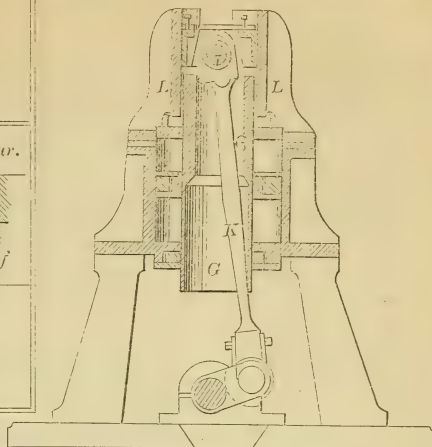
56992—Robinson & Marshall—*Boot Heel.*



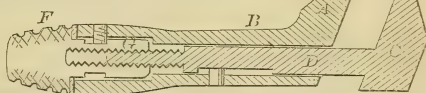
56994—E. A. G. Roulstone—*Mosquito Bar.*



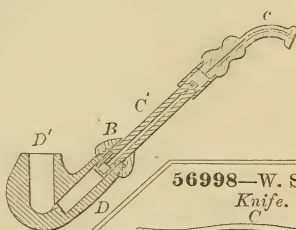
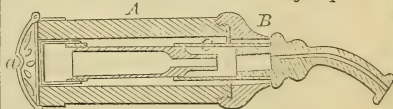
56993—J. B. Root—*Trunk Engine.*



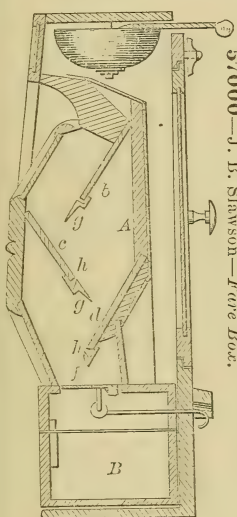
56996—Newton & Favre—*Wrench.*



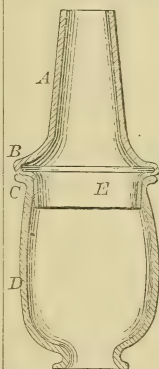
56997—R. Norwood—*Smoking Pipe.*



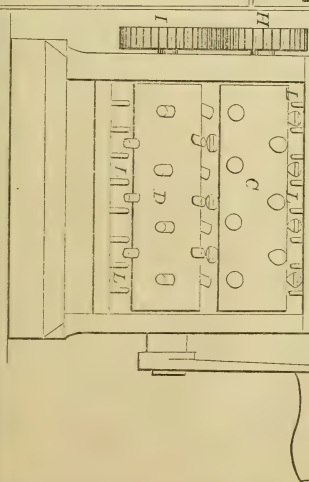
56998—W. Sausser—*Knife.*



57000—J. B. Slawson—*Fire Box.*

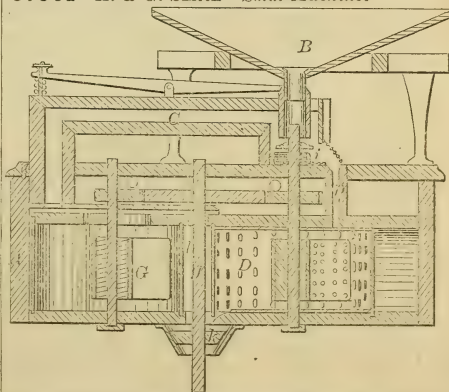


56999—E. O. Schartan—*Lamp Chimney.*



56995—A. P. Routh—*Dough Kneader.*

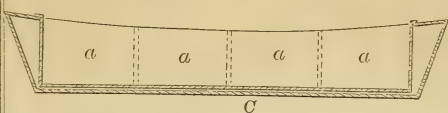
57001—A. & G. Smith—*Smut Machine.*



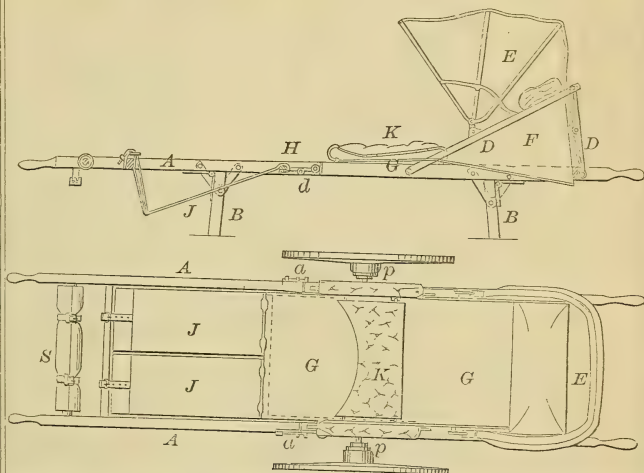




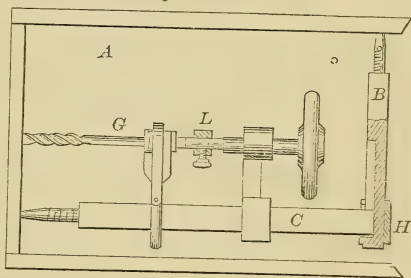
57012—G. H. Tier—Life Boat.



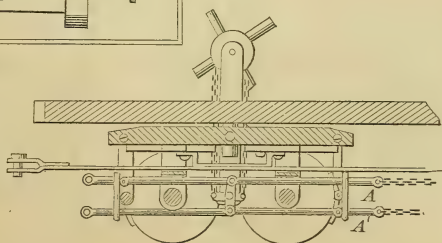
57013—C. H. Tompkins—Stretcher.



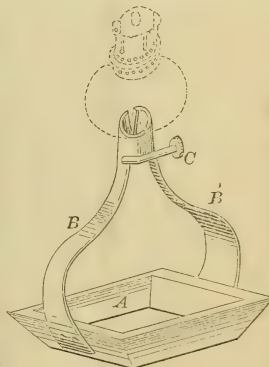
57011—R. A. Thomas—Drilling Machine.



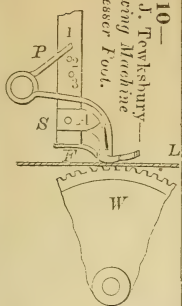
57015—H. H. Trenor—Car Brake.



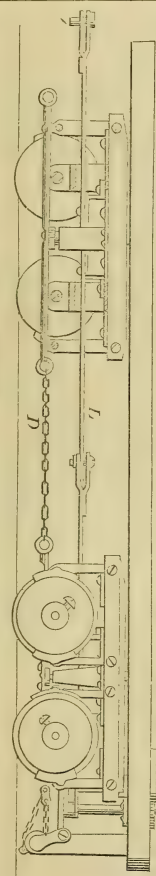
57017—G. Utley—Candle Stand.

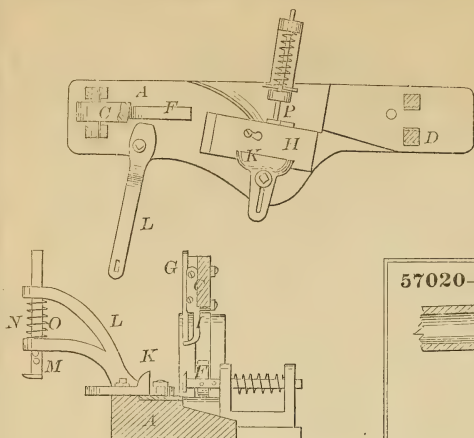
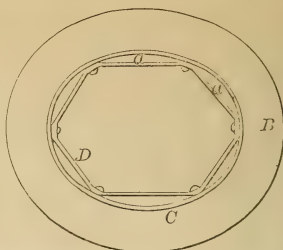
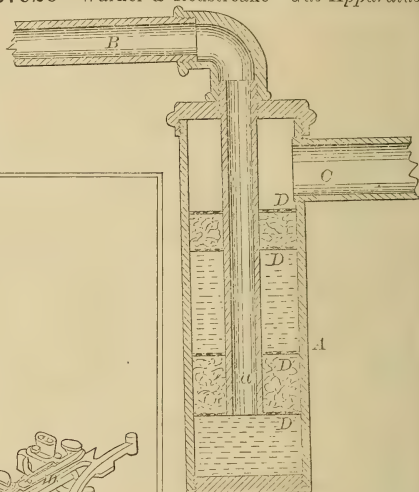
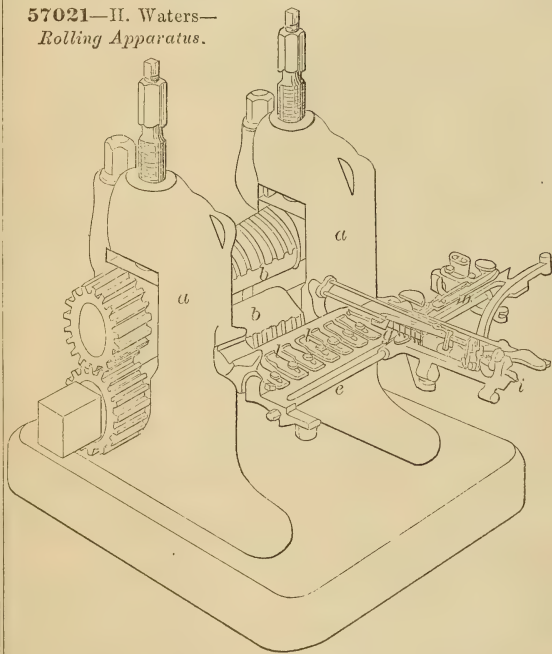
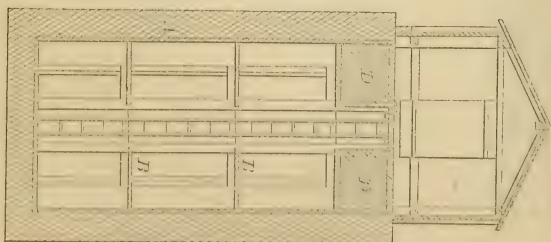
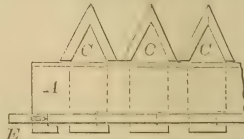
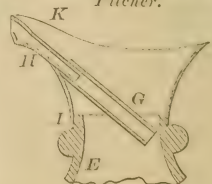
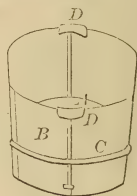


57010—  
A. J. Tewksbury—  
Sewing Machine  
Presser Foot.



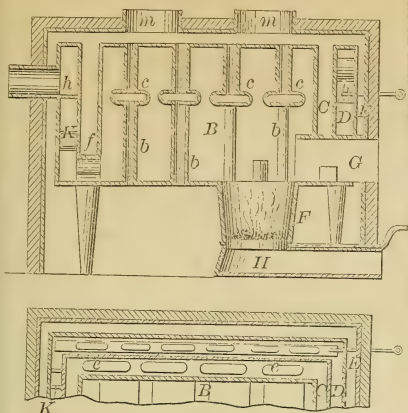
57014—H. H. Trenor—Car Coupling.



57018—O. Vanorman—*For Tenoning Spokes.*57019—W. F. Warburton—*Hat.*57020—Warner & Redstreak—*Gas Apparatus.*57021—H. Waters—*Rolling Apparatus.*57022—J. Weed—*Ventilated Vault.*57023—J. M. Wehrly—*Harvester Cutter.*57025—N. T. Whiting—*Pitcher.*57024—*Wheat & Bunge—  
Fruit Basket.*



**57026**—H. Whittingham—*Hot Air Furnace.*



**57029**—A. S. Wilkinson—*Horse Shoe.*

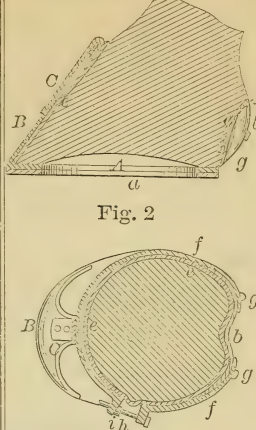
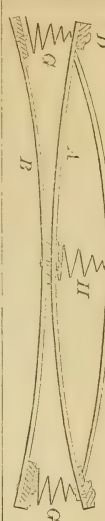
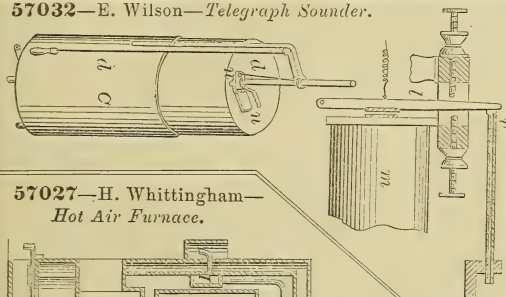


Fig. 2

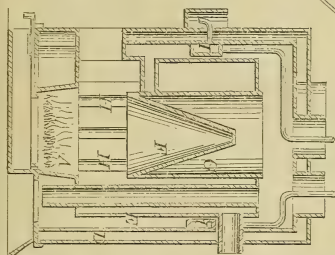
**57031**—Wilsey & Forbes—*Bed Bottom.*



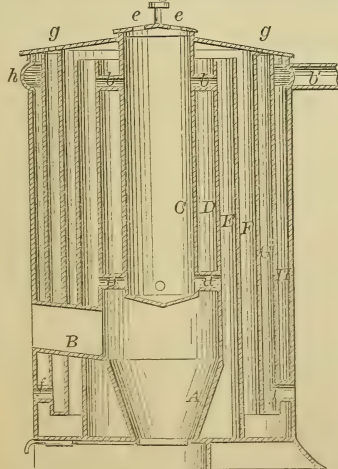
**57032**—E. Wilson—*Telegraph Sounder.*



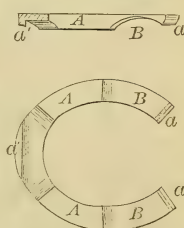
**57027**—H. Whittingham—*Hot Air Furnace.*



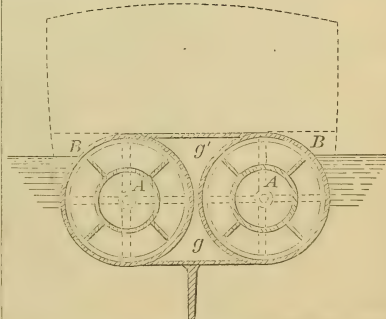
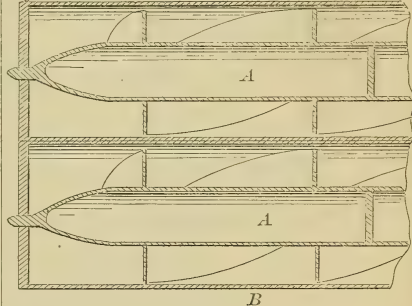
**57028**—H. Whittingham—*Hot Air Furnace.*



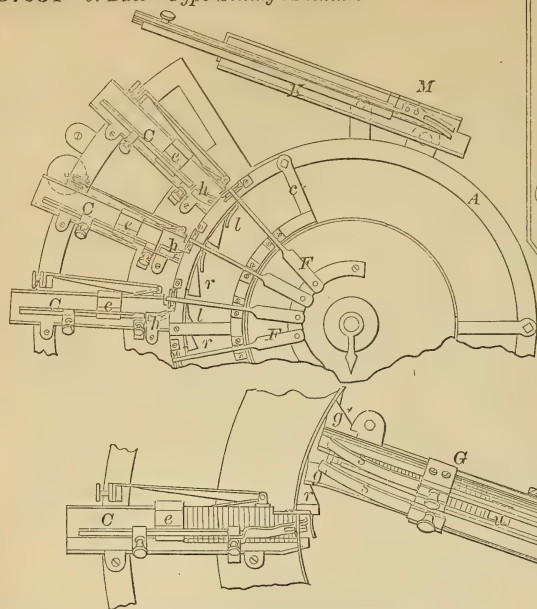
**57030**—A. S. Wilkinson—*Horse Shoe.*



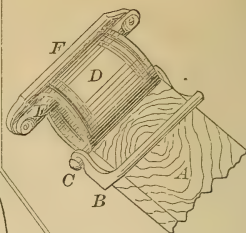
**57033**—D. Winer—*Propelling Apparatus for Vessels.*



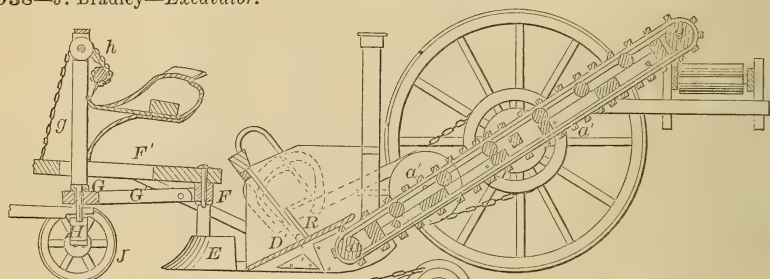
57034—C. Baer—Type-Setting Machine.



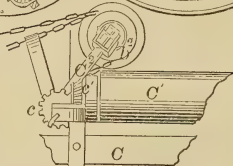
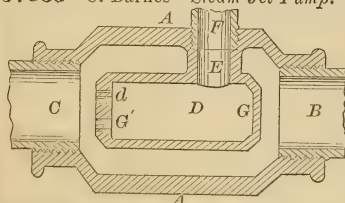
57039—A. D. Chase—Bed Bottom.



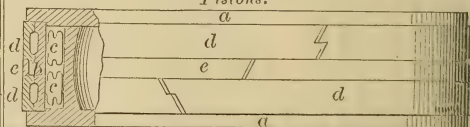
57038—J. Bradley—Excavator.



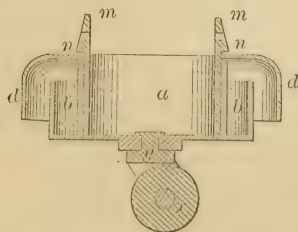
57035—C. Barnes—Steam Jet Pump.



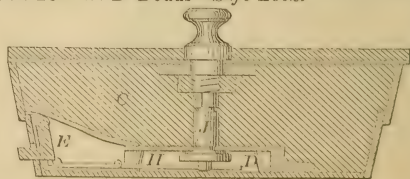
57037—J. F. Borgardus—Packing Rings for Pistons.



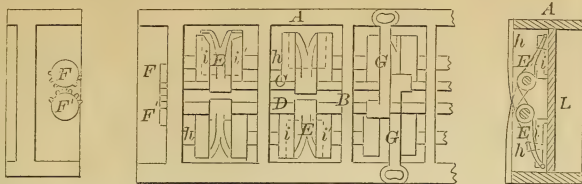
57036—T. Beach—Caster.



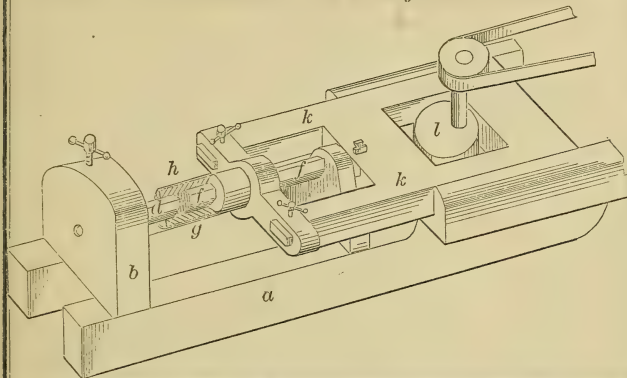
57040—W. B. Dodds—Safe Lock.



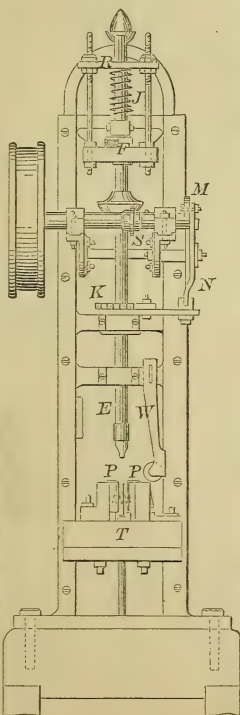
57041—J. M. Ferrell—Brick Mould.



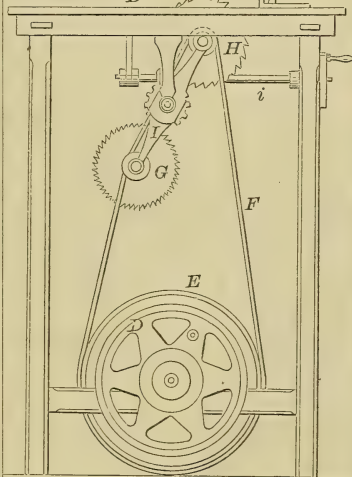
57042—C. P. Geissenhainer—For Making Nuts and Washers.



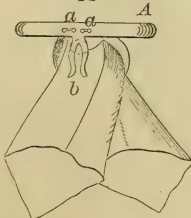
57045—R. Lyon—  
Riveting Machine.



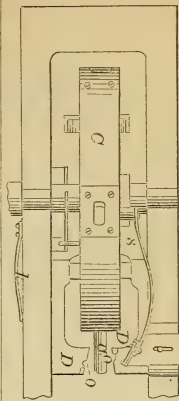
57046—S. W. Putnam—Sawing  
Machine. B



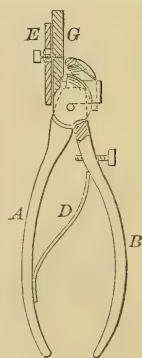
57048—T. Rosenthal—Neck  
Tie Supporter.



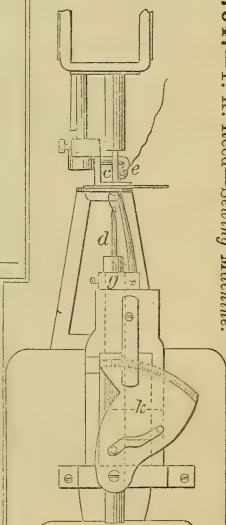
57043—E. L. Keeler—For Bending Chain Links.



57044—J. Lyle—Saw Set.

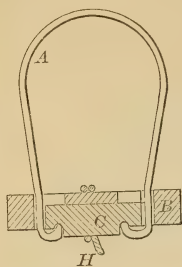


57047—T. K. Reed—Sewing Machine.

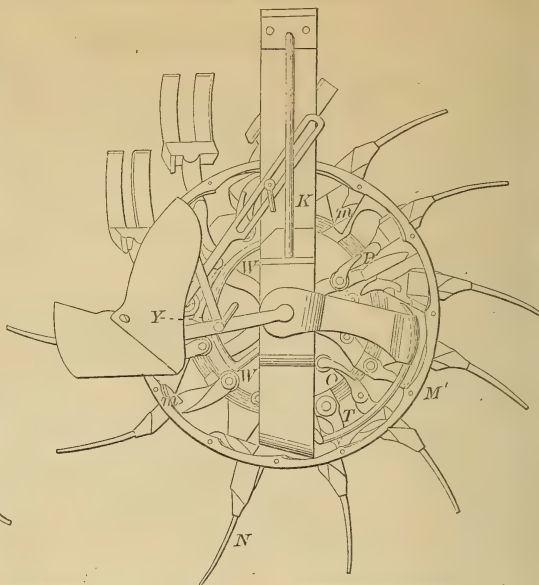




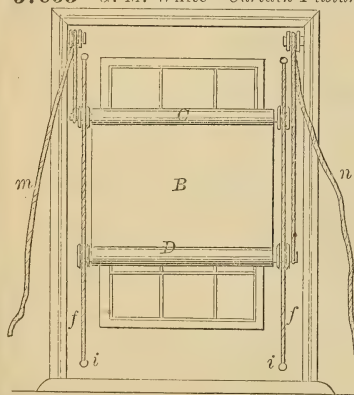
**57049**—C. H. Sawyer—*Cattle Hitch.*



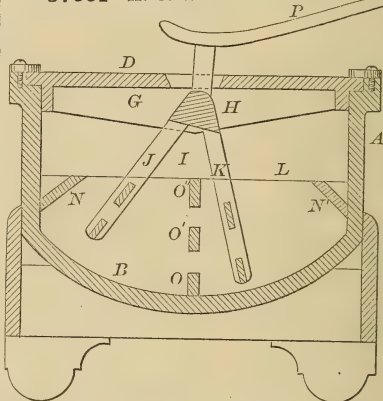
**57050**—J. Stevens—*Ditching Machine.*



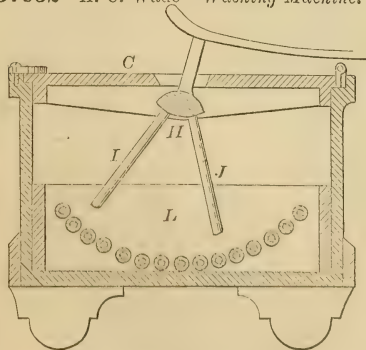
**57053**—G. M. White—*Curtain Fixture.*



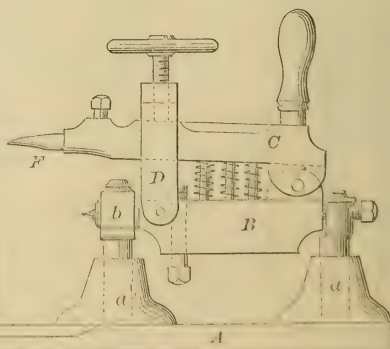
**57051**—A. C. Wade—*Churn.*



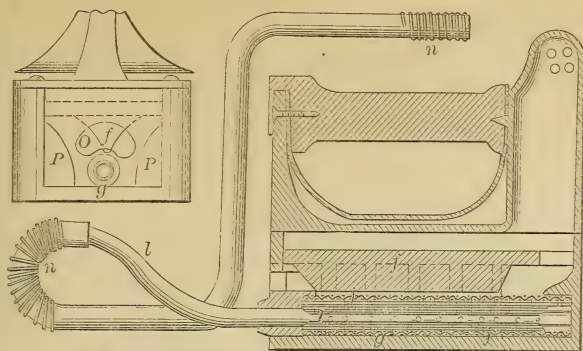
**57052**—A. C. Wade—*Washing Machine.*



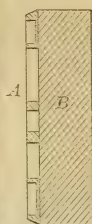
**57054**—J. C. Wybell—*Turning Lathe.*



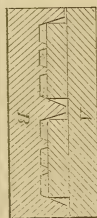
57055—A. T. Atherton—*Sad Iron Heater.*



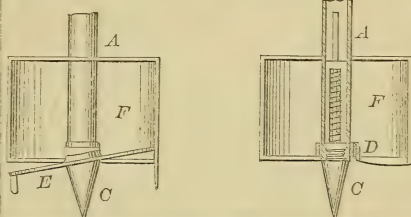
57056—G. W. Bacon—*Block or Plate for Printing Maps.*



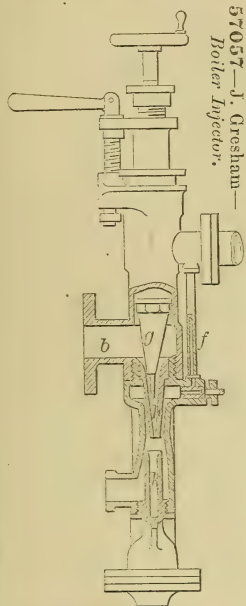
57059—W. Batty—*Uniting Iron and Steel for Railroad Rails.*



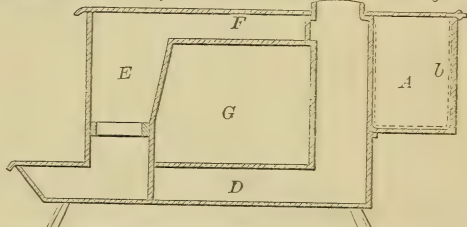
57058—S. Cary—*Boring Apparatus.*



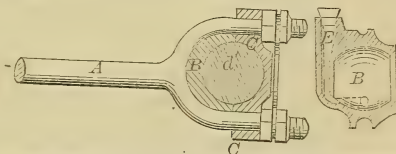
57057—J. Gresham—*Boiler Injector.*



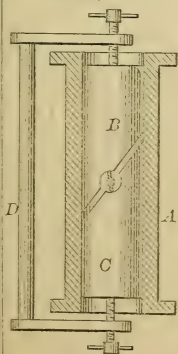
57060—E. Bussey—*Water Reservoir for Cooking Stoves.*



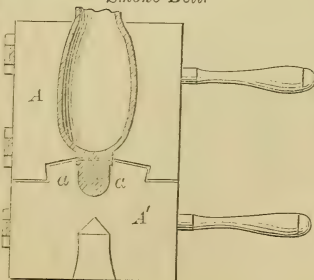
57061—A. S. Acker—*Pitman Box.*



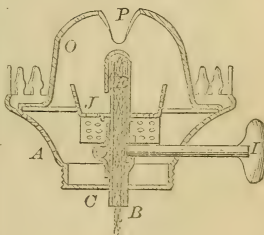
57062—  
R. B. Angus—  
*Throttle Valve  
Mould.*



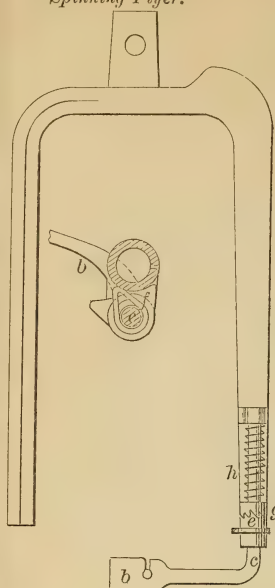
57063—J. S. & T. B. Atterbury—  
*Smoke Bell.*



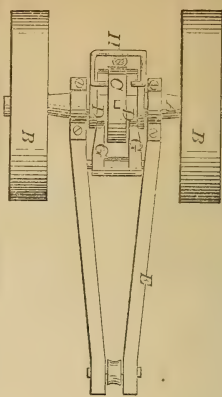
57064—C. H. Bagley—*Lamp.*



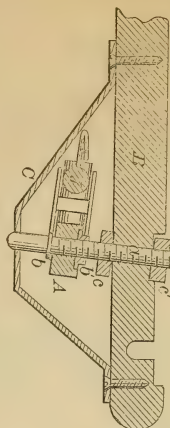
**57065**—B. A. Bailey—*Spinning Flyer.*



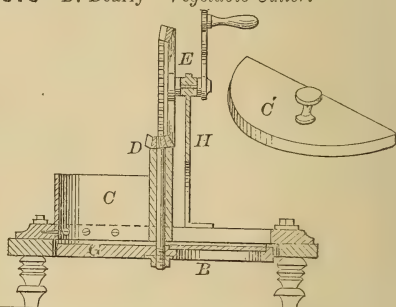
**57067**—Ball & Houghtelin—*Grubbing Machine.*



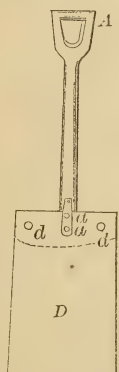
**57068**—D. C. Bangman—*Hitching Horses to Seeding Machines.*



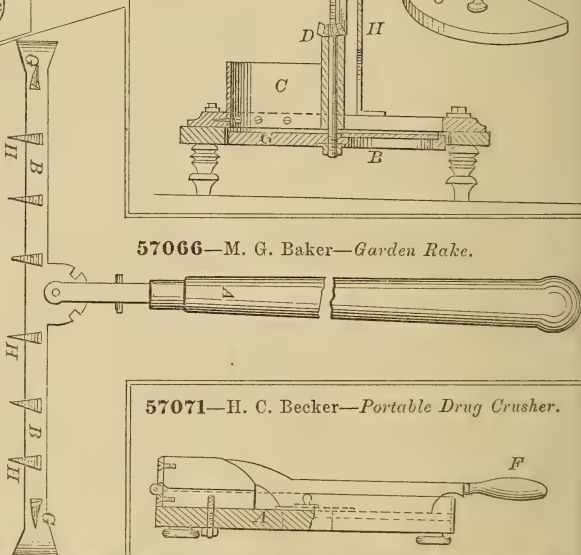
**57070**—D. Bearly—*Vegetable Cutter.*



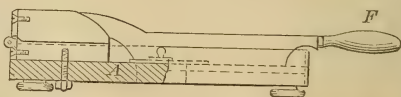
**57069**—W. Beach—*Malt Shovel.*



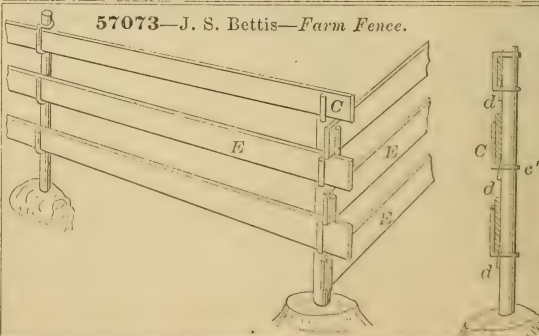
**57066**—M. G. Baker—*Garden Rake.*



**57071**—H. C. Becker—*Portable Drug Crusher.*



**57073**—J. S. Bettis—*Farm Fence.*

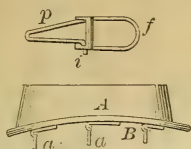


**57072**—J. A. Bell—*Safety Pocket.*

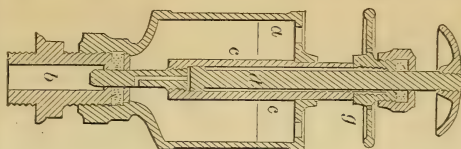




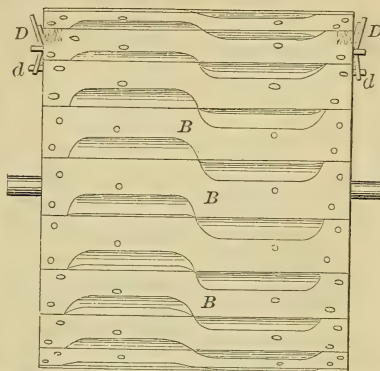
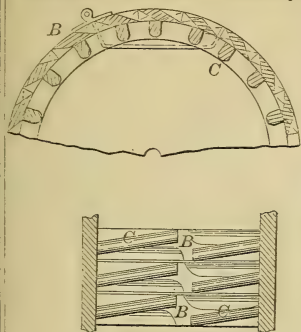
57074—G. W. Bidwell—*Hat Protector.*



57079—G. B. Brayton—*Oil Injector for Steam Engines.*



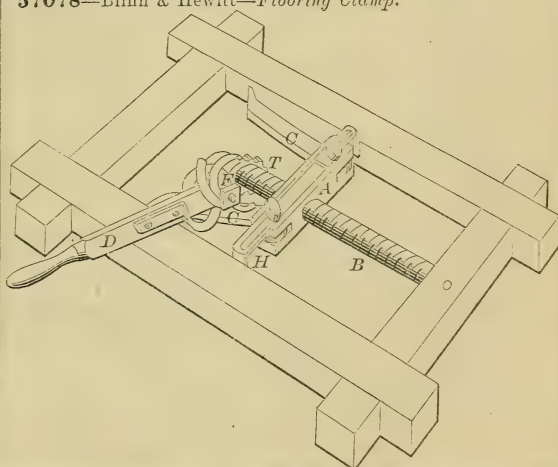
570775—B. Bisbee—*Washing Machine.*



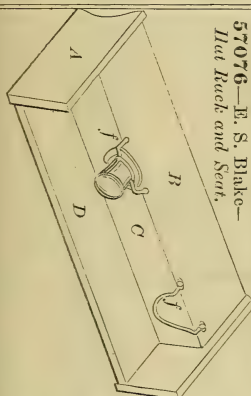
57077—C. Bakeslee—*Hoop Shirt Supporter.*



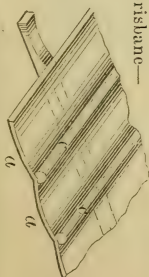
57078—Blinn & Hewitt—*Flooring Clamp.*



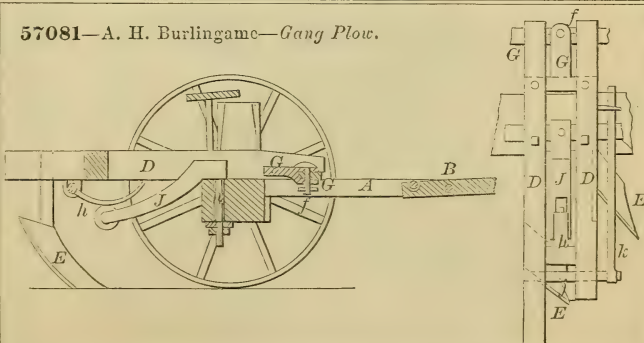
57076—E. S. Blake—*Hat Rack and Seat.*



57080—A. Brisbane—*Roofing.*

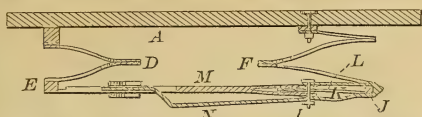


57081—A. H. Burlingame—*Gang Plow.*

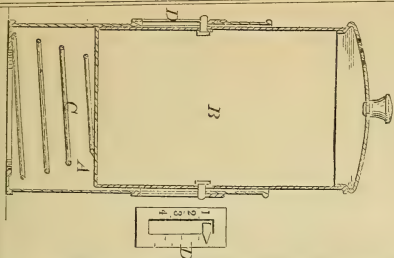




57094—F. Crick—Running Gear of Carriages.



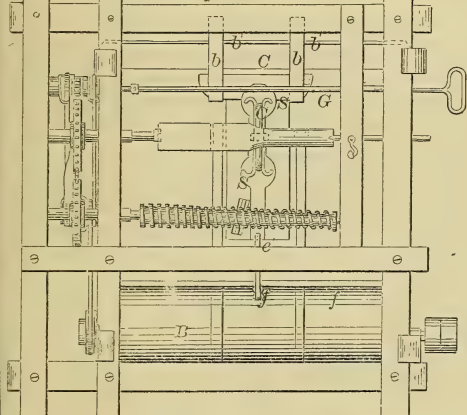
57097—J. Dalley—*Liquid Measure.*



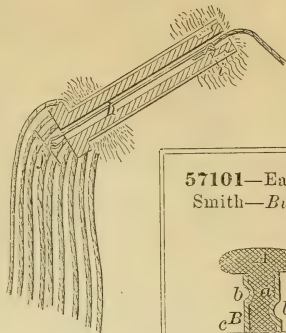
57102—B. F. Early—Shoe Cleaner.



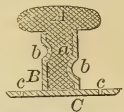
57099—T. Derington—For Turning Wagon Spokes.



57096—W. R. P. Cross—Curtain Fixture.



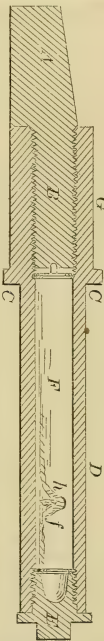
57101—Eagle & Smith—Button.



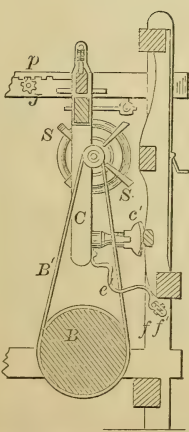
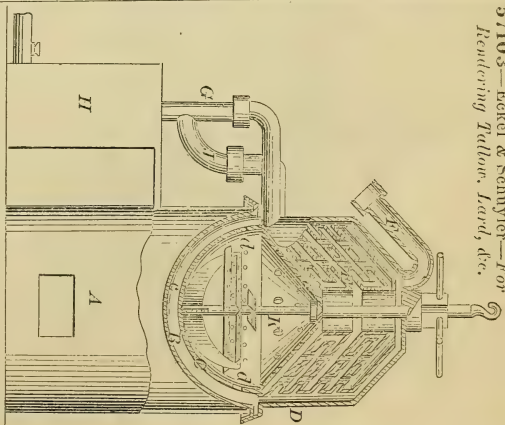
57098—J. Wesley—Trace Buckle.



57100—L. Dorman—Carriage Axle and Journal.

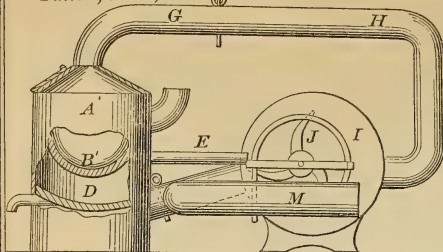


57103—Eckel & Schuyler—For Rendering Tallow, Lard, etc.

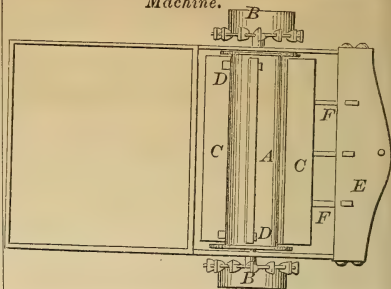




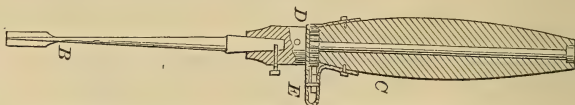
**57104**—Eckel & Schuyler—*For Rendering Tallow, Lard, &c*



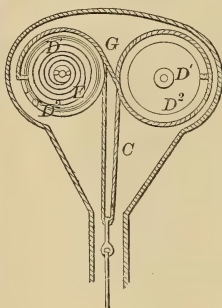
**57105**—R. H. Emerson—*Turf Cutting Machine.*



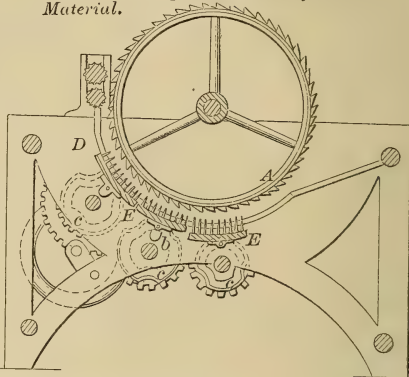
**57107**—C. Eversol—*Screw Driver.*



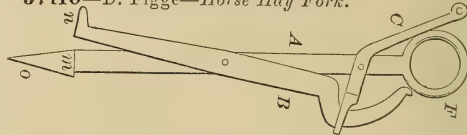
**57106**—E. Evans—*Fruit Picker.*



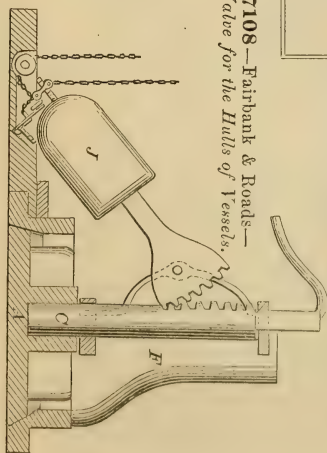
**57109**—L. Ferguson—*Picker for Fibrous Material.*



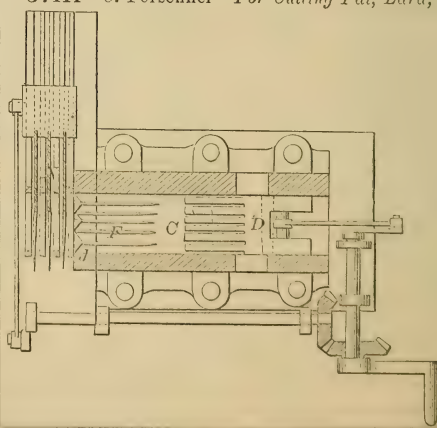
**57110**—D. Figge—*Horse Hay Fork.*



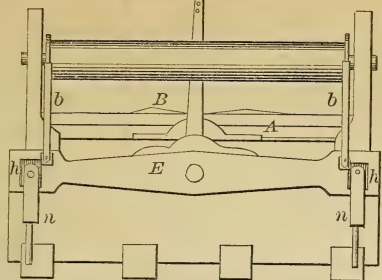
**57108**—Fairbank & Roads—*Valve for the Hulls of Vessels.*



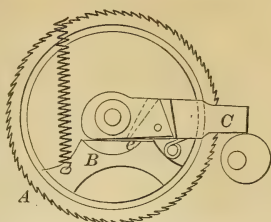
**57111**—C. Forschner—*For Cutting Fat, Lard, &c.*



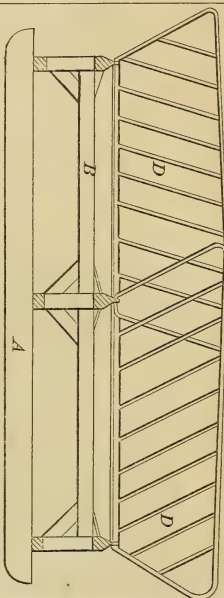
57112—C. Foster—Transmitting Power by Means of Cars upon Rails.



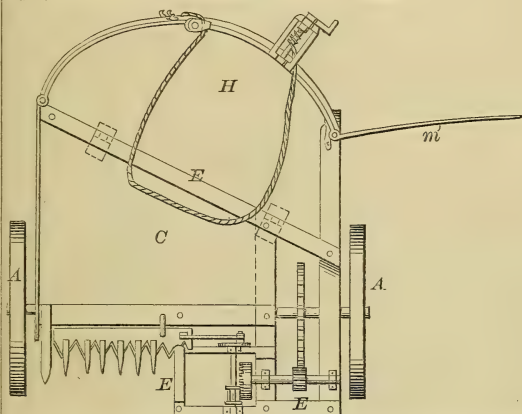
57116—A. Galleth—Sewing Machine.



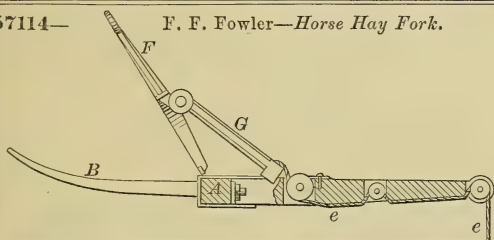
57115—F. F. Fowler—Stack Bottom and Feed Rack.



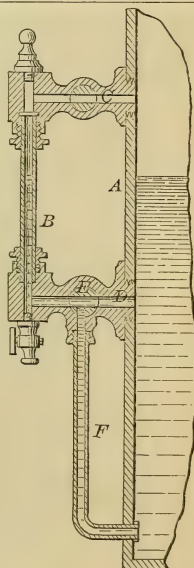
57113—F. F. Fowler—Corn Harvester.



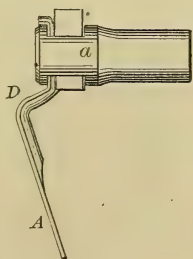
57114—F. F. Fowler—Horse Hay Fork.



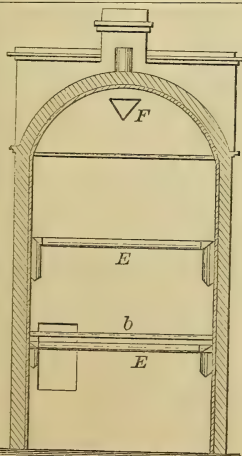
57118—G. M. Githens—Water Gauge.



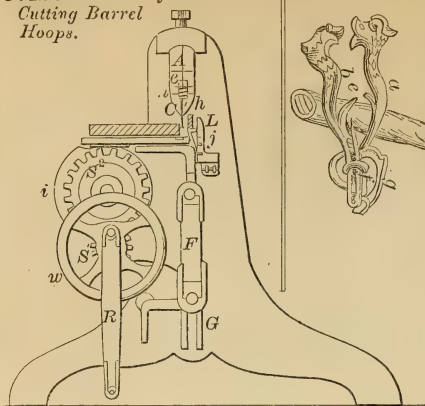
57119—J. Glasson—Hoe.



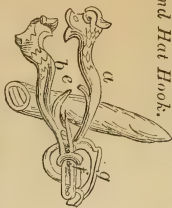
57117—Gallup & Wood—Drying Horse.



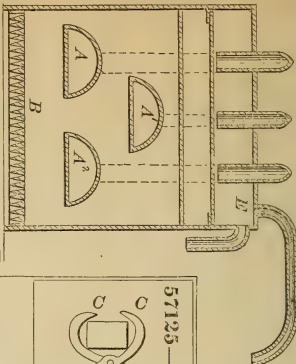
57120—A. Goodyear—For  
Cutting Barrel  
Hoops.



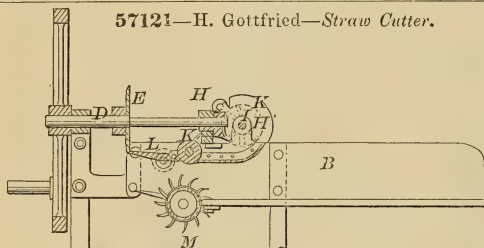
57126—Geschwind & Grether—Cigar Holder  
and Hot Hook.



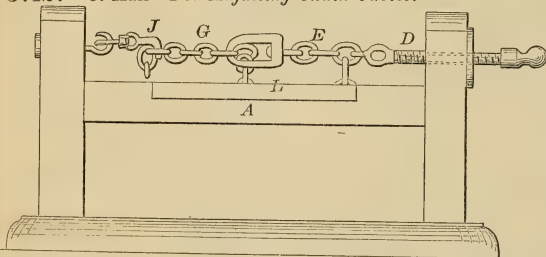
57123—H. D. Green—Illuminating Gas.



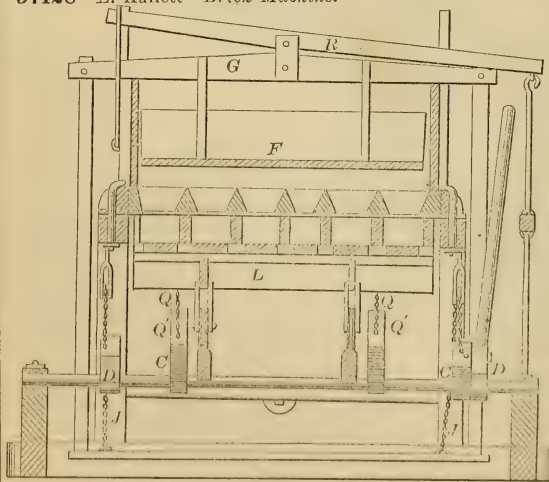
57121—H. Gottfried—Straw Cutter.



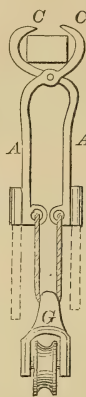
57127 C. Hall—For Adjusting Chain Cables.



57128—E. Hallett—Brick Machine.



57125—G. W. Gregory—For Raising Weights.



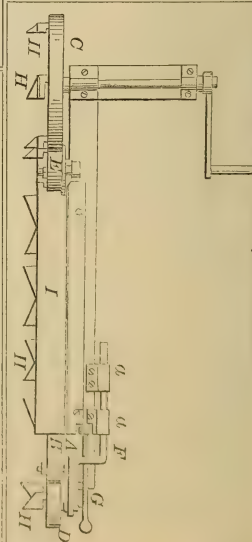
57124—F. S. Gregg—Top and Die.



57129—W. H. Hart, Jr.—  
Neck Tie Supporter.

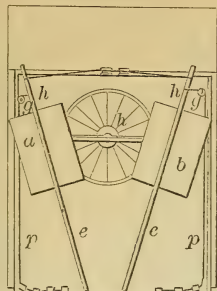


57130—M. P. Hathaway—Harvester.

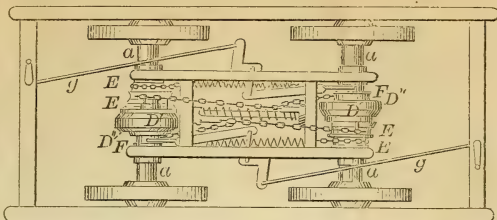




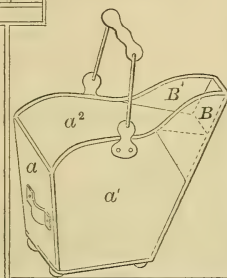
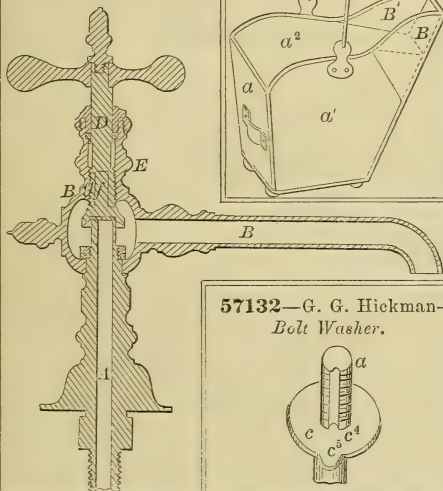
57131—J. H. Heyser—  
Wind Mill.



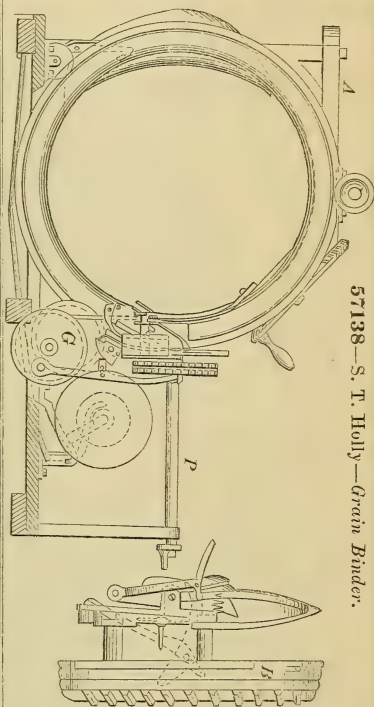
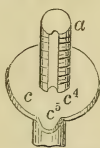
57133—A. Higley—Car Brake.



57134—J. Hills—  
Basin Faucet.

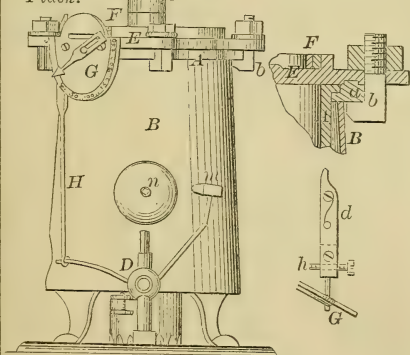


57132—G. G. Hickman—  
Bolt Washer.

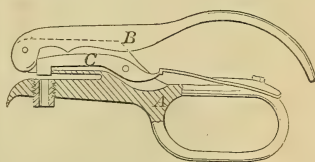


57138—S. T. Holly—Grain Binder.

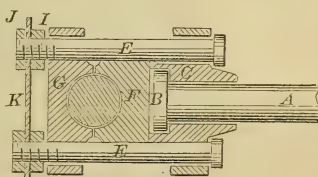
57135—L. Hoffstadt—Dentist's Vulcanizing  
Flask.



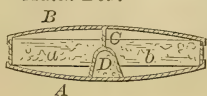
57136—C. B. Holden—Punch.



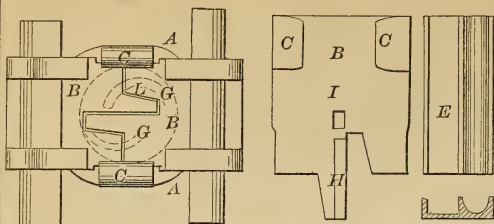
57140—B. J. Hunter—Harvester Pitman.



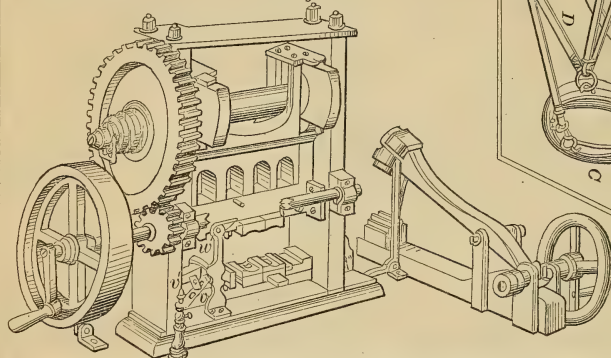
57139—T. Huckans—Tobacco and  
Match Bor.



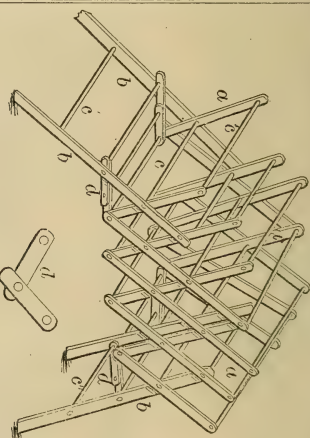
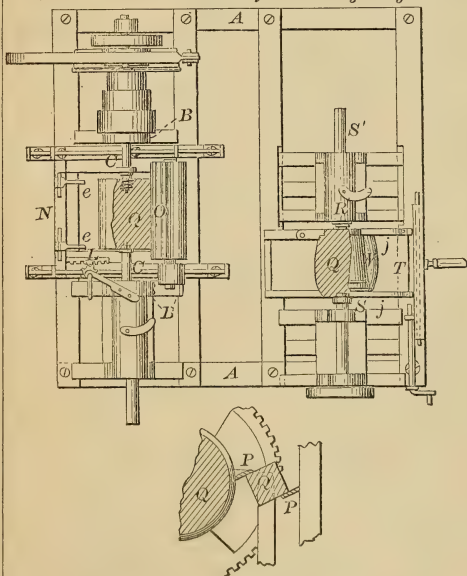
57141—G. Huntington—Tire Shrinking Machine.



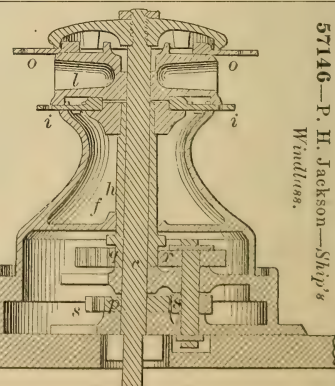
57142—E. F. Hurd—For Making Axes.



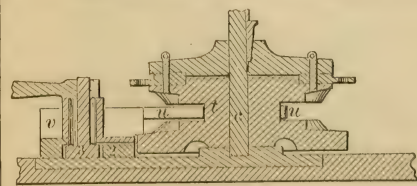
57145—H. Inman—Lathe for Turning Wagon Hubs.



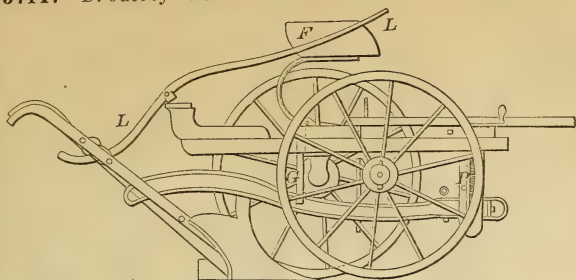
57144—L. T. Irwin—Clothes Dryer.



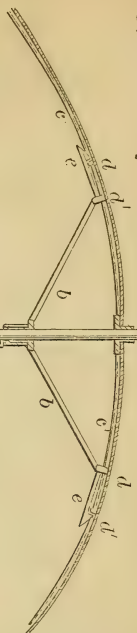
57146—P. H. Jackson—Ship's Windlass.



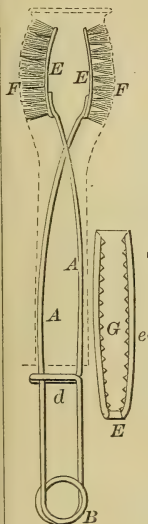
57147—D. Jacoby—Plow.



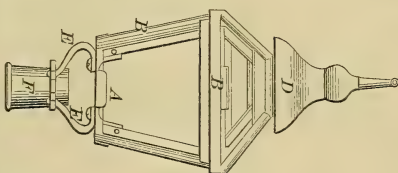
57151—D. Kelly—Umbrella.



57149—W. J. Johnson—Lamp Chimney Cleaner.



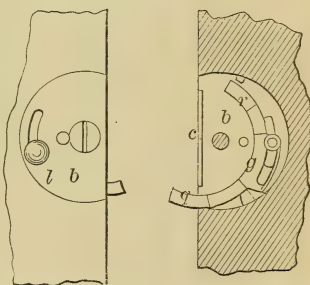
57148—B. A. Johnson—Street Lantern.



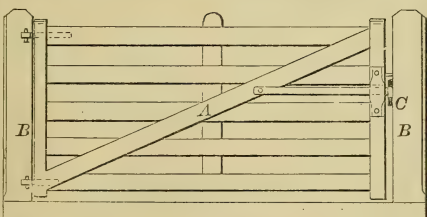
57154—C. Lang—Imitation Collar.



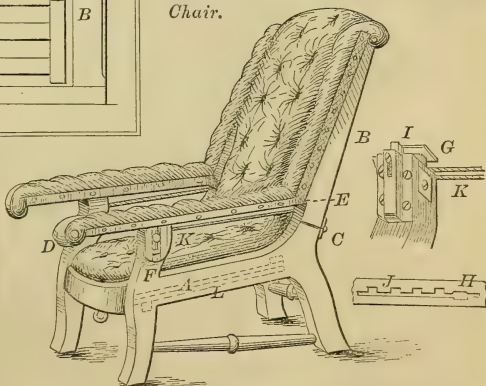
57150—H. M. Jones—Latch Fastening.



57152—F. Ketcham—Gate Latch.



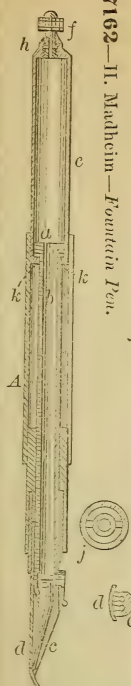
57153—Kline & Schmacker—Reclining Chair.



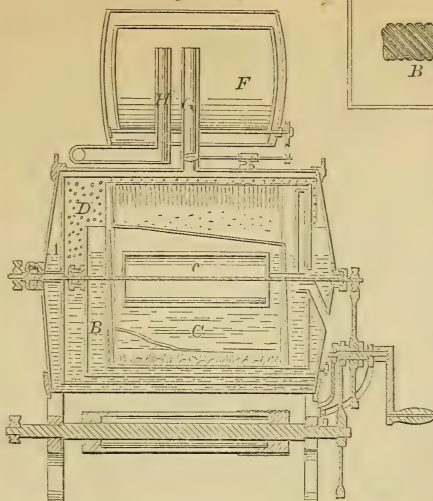




57162—H. Madheim—*Fountain Pen.*



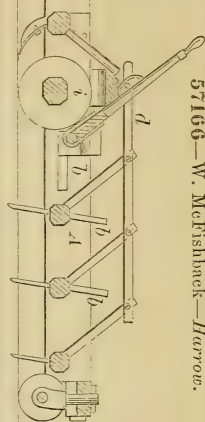
57164—H. L. McAvoy—*For Carburetting Air.*



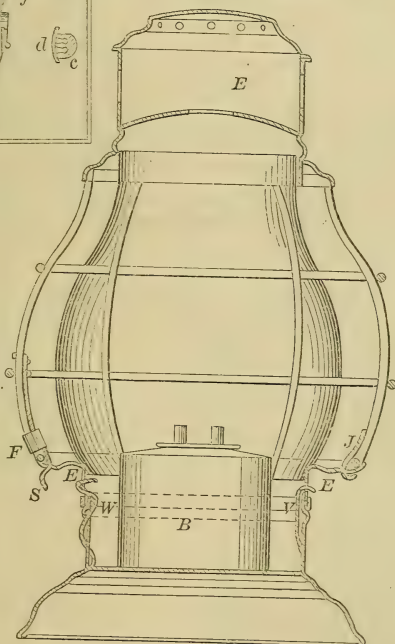
57163—R. Martin—*Piston Rod Packing.*



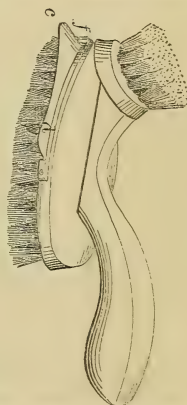
57166—W. McFishback—*Harrow.*



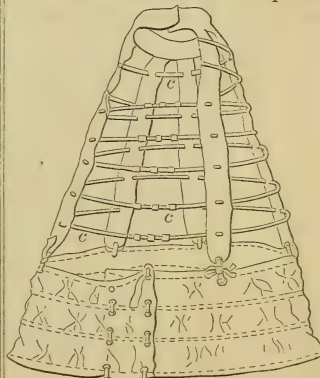
57167—C. F. Moeller—*Lantern.*



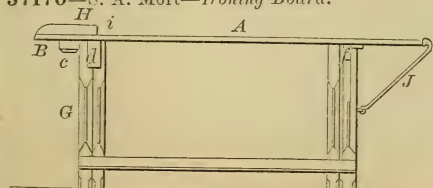
57168—Moller & Shoels—*Shoe Brush.*



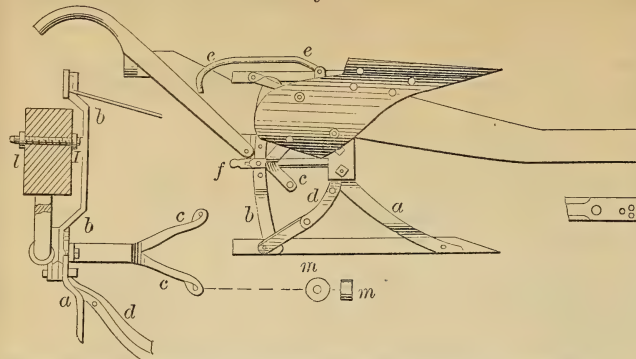
57169—E. L. Morris—*Hoop Skirt.*



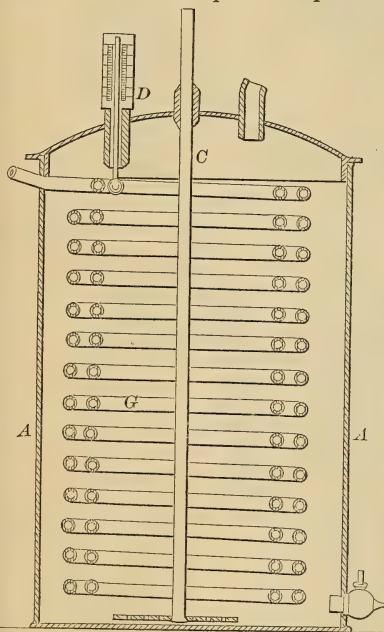
57170—S. A. Mort—*Ironing Board.*



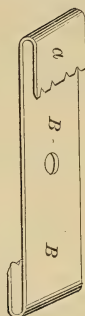
57171—J. Mott—Double Revolving Plow.



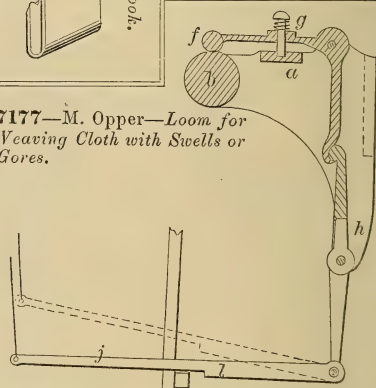
57175—A. Nobel—Explosive Compound.



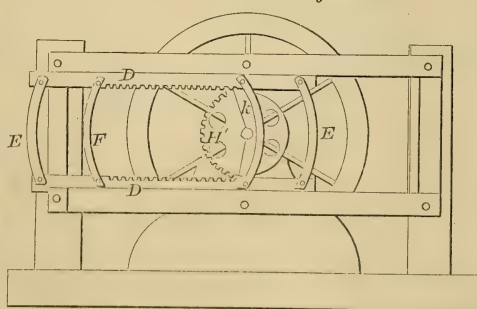
57176—L. F. Noe—Bench Hook.



57177—M. Oppen—Loom for Weaving Cloth with Swells or Gores.



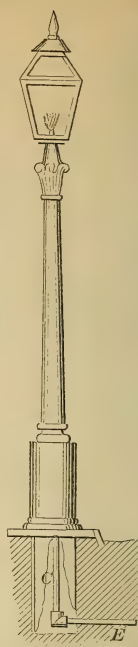
57178—J. B. Page—For Converting Motion.



57173—W. H. Myers—Car Roof.



57172—J. H. Mulhall—Preventing the Freezing up of Gas Pipes.

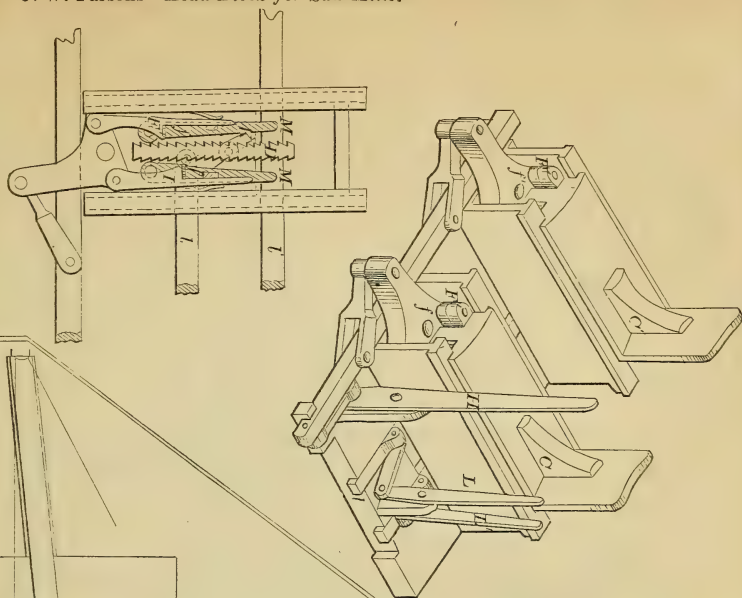


57179—H. W. Painter—Carriage Pole.

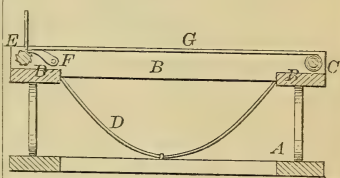




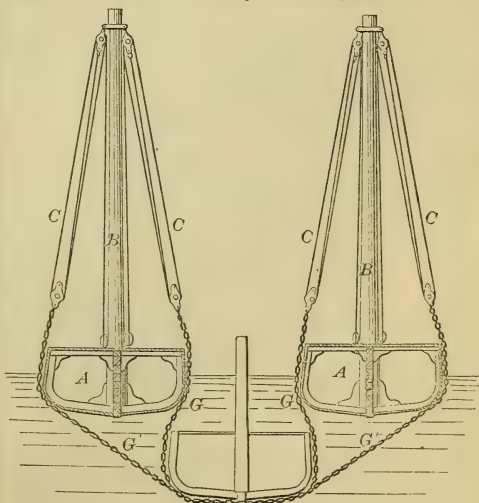
57180—J. W. Parsons—Head Block for Saw Mills.



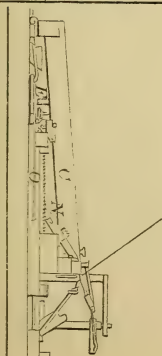
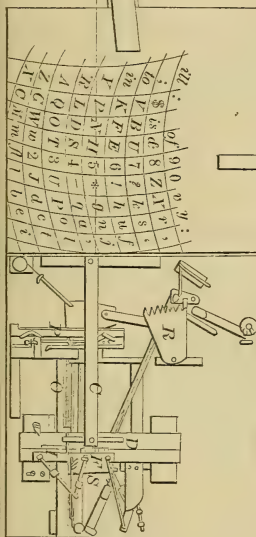
57181—E. M. Payne—Bed Bottom.



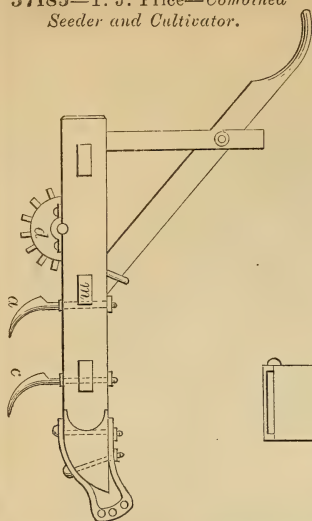
57183—S. Petre—Derrick for Raising Sunken Vessels.



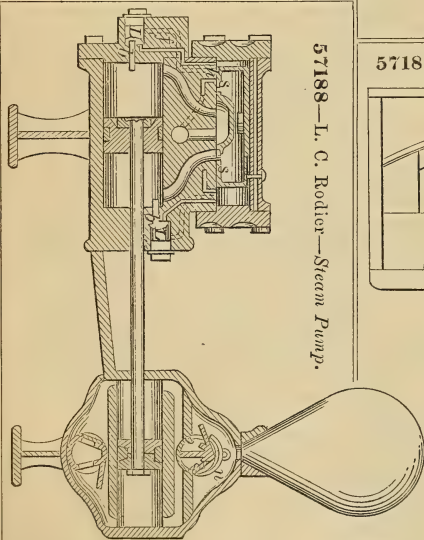
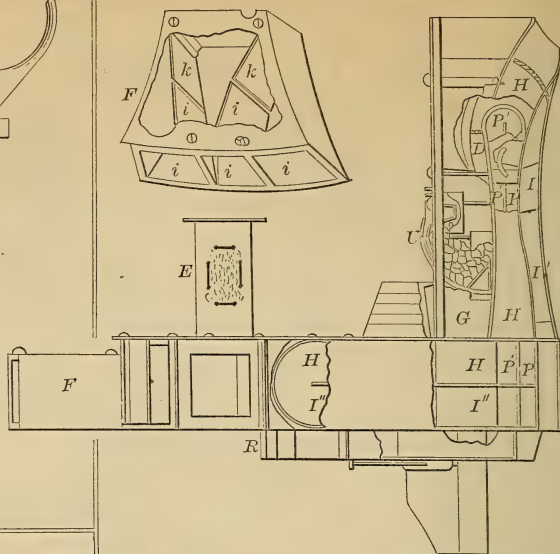
57182—A. Peeler—Writing and Printing Machine.



57185—T. J. Price—*Combined Seeder and Cultivator.*

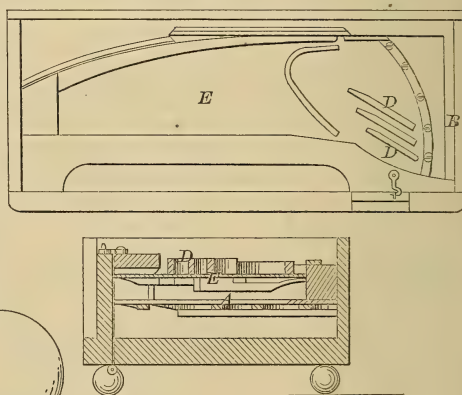


57187—C. R. Rand—*Heating Furnace.*

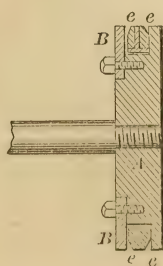


57188—L. C. Rodier—*Steam Pump.*

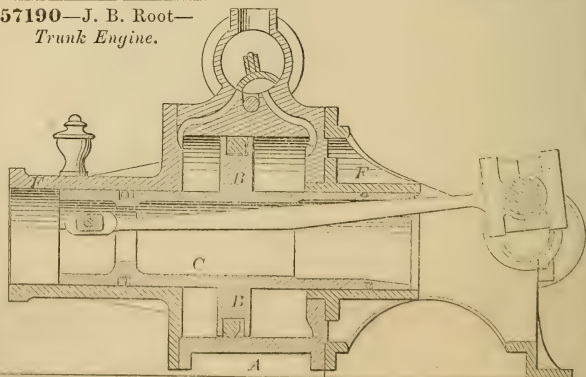
57186—R. Raven—*Piano.*



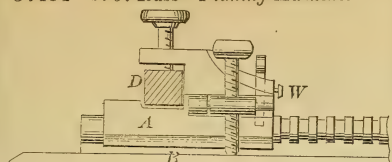
57189—J. B. Root—*Piston Packing Ring.*



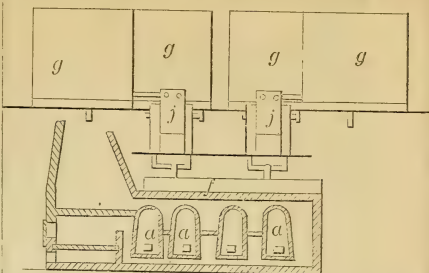
57190—J. B. Root—*Trunk Engine.*



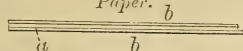
57191—J. J. Russ—Planing Machine.



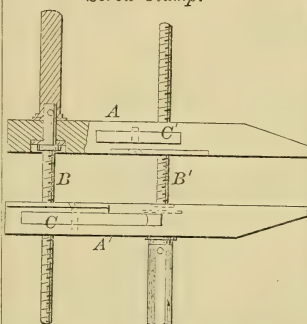
57194—V. B. Ryerson—Desulphurizing Ores.



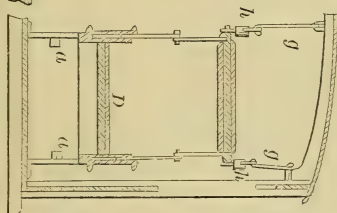
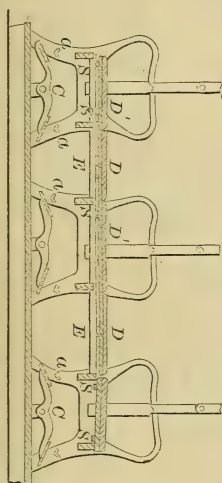
57192—W. A. Russell—Manufacture of Paper.



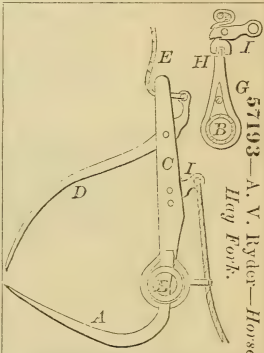
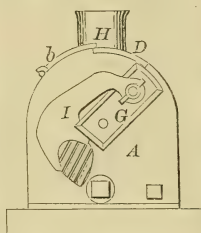
57195—H. Schmidt—Hand Screw Clamp.



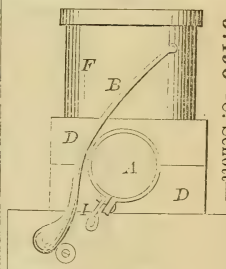
57198—T. Sharp—Car Seat and Couch.



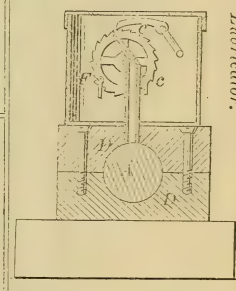
57197—J. Segondy—Sausage Meat Cutter.



57193—A. V. Ryder—Horse Hay Fork.

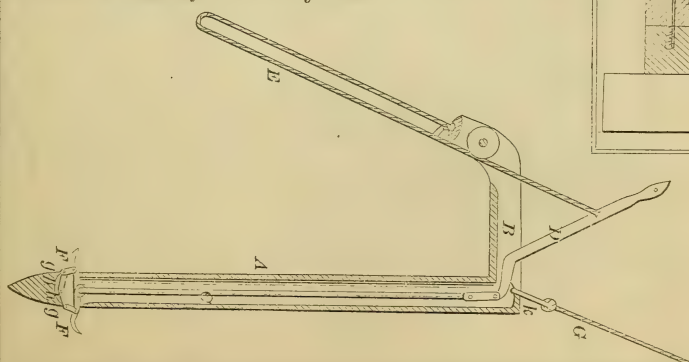


57196—C. Schott—

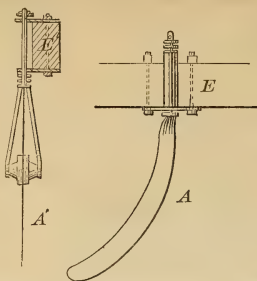
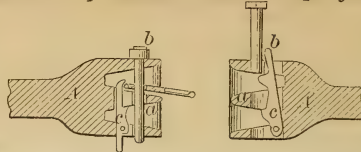
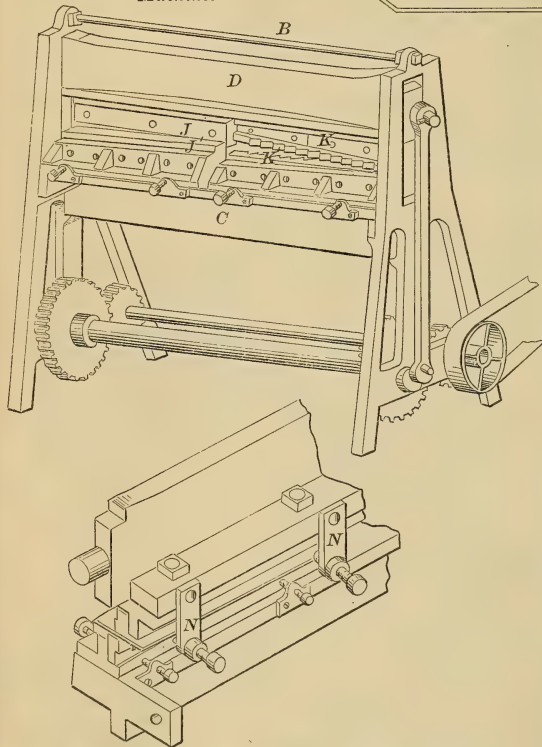
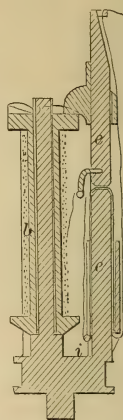
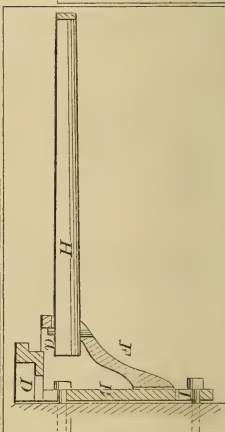
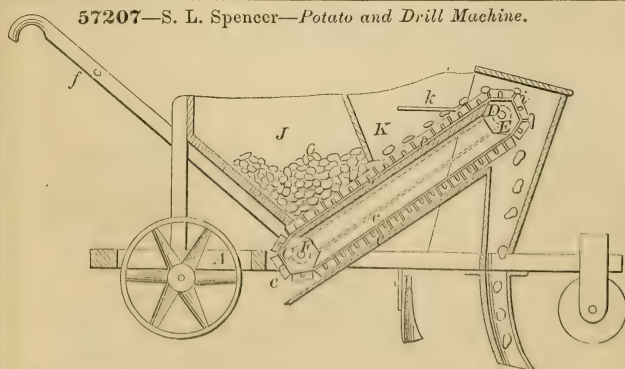
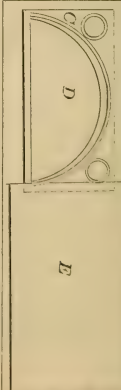


Lubricator.

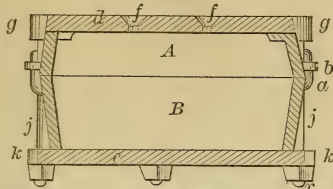
57199—E. Shorkley—Horse Hay Fork.



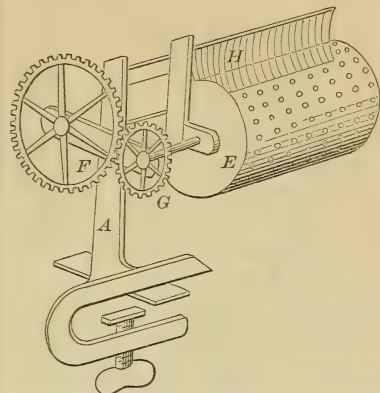


57200—J. B. Skinner—*Plow.*57208—Spooner & Hale—*Car Coupling.*57202—C. D. Smith—*Button Hole.*57205—A. Snowden—*Saw Tothing Machine.*57201—T. J. Sloan—*Braiding Machine.*57204—T. F. Snover—*Clothes Dryer.*57207—S. L. Spencer—*Potato and Drill Machine.*57209—E. L. Staples—*Tulle.*

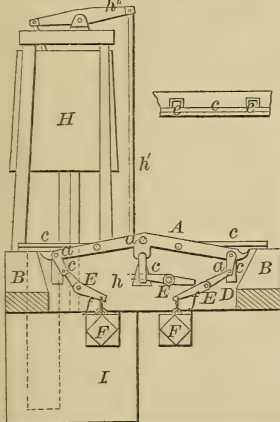
57210—E. T. Starr—Dentist's Vulcanizing Flask.



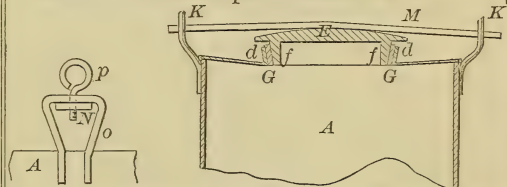
57213—E. Stimson—Vegetable Grater.



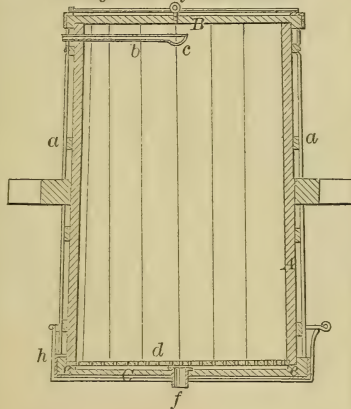
57211—C. L. Stevens—Elevating Water into Railroad Tanks.



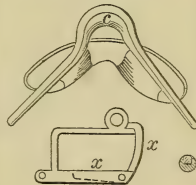
57212—Stilz & Knoepke—Preserve Can.



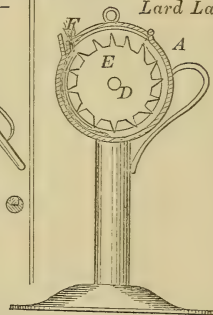
57218—N. S. Thomas—For Extracting Tanning Matter from Bark.



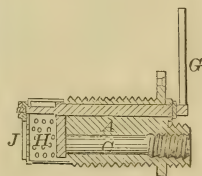
57214—Stockton & Smoot—Saddle.



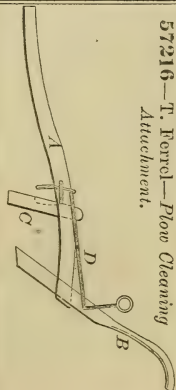
57215—T. Ferrel—Lard Lamp.

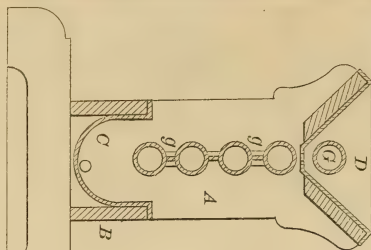
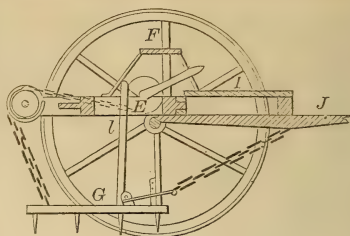
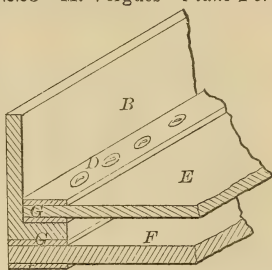
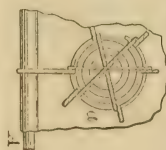
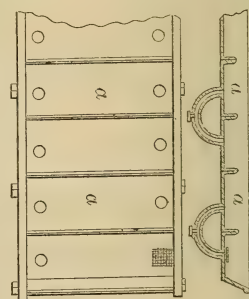


57220—Thorn & Dennis—Faucet.

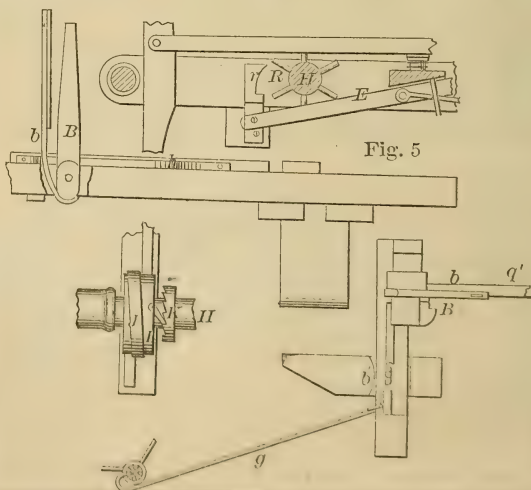
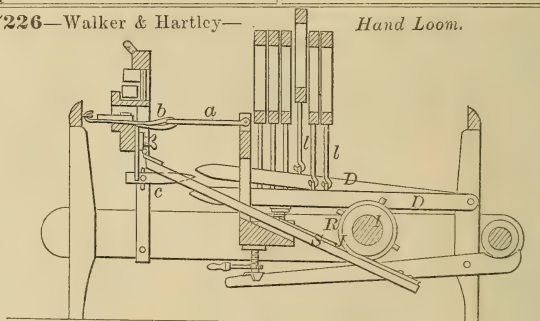


57216—T. Ferrel—Plow Cleaning Attachment.



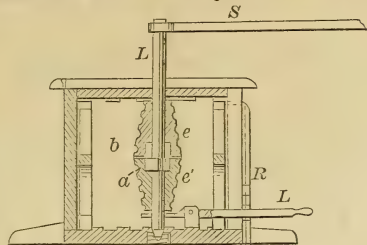
57221—Tschirgi & Kammüller—*Beer Cooler*.57222—J. W. Tyson—*Cultivator*.57225—M. Vergues—*Piano Forte*.57223—C. V. Dyck—*Spring Mattress*.57224—P. C. V. Slyke—*Sorghum  
Reaper*.

57226—Walker &amp; Hartley—

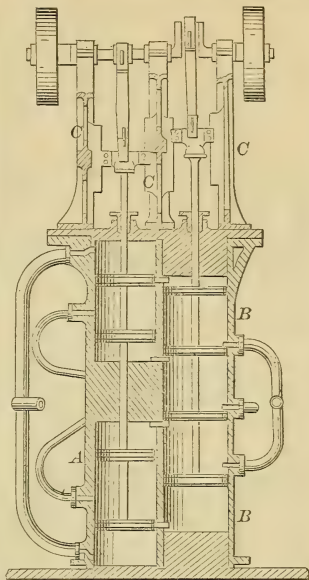
*Hand Loom.*



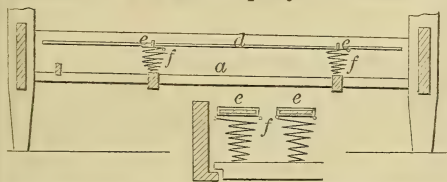
57227—E. A. Ward—Hay Press.



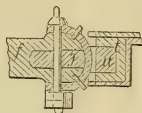
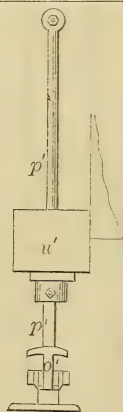
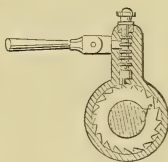
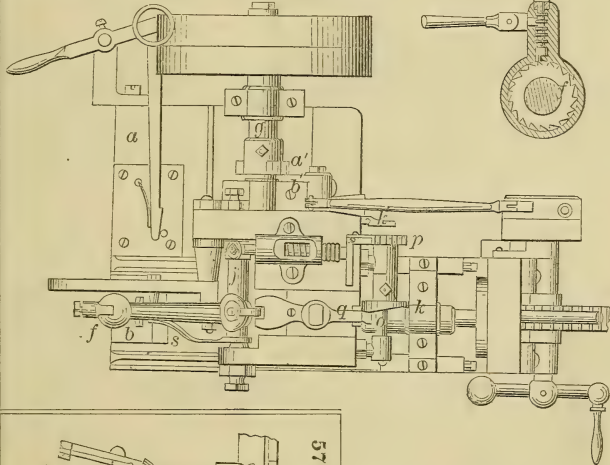
57228—G. I. Washburn—Steam Engine.



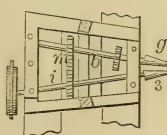
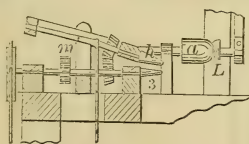
57229—D. P. Webster—Spring Bed Bottom.



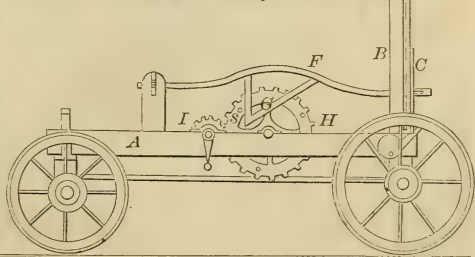
57230—A. Weed—Rasp Cutting Machine.



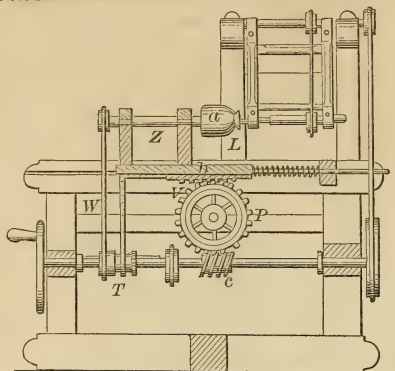
57232—Wheeler & Manley—Hot Pounding Machine.



57231—G. E. West—Driving Fence Posts.



57232—Continued.



57235—A. S. Wilkinson—Horse Shoe.

Fig. 1

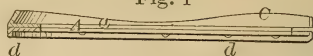
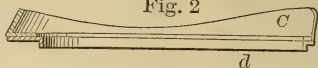


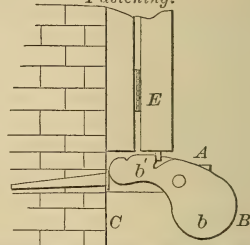
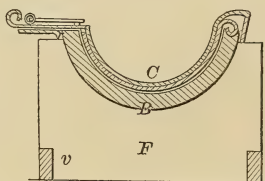
Fig. 2



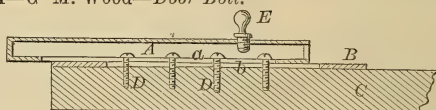
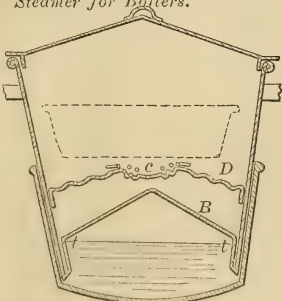
57240—A. Wiswall—Door Spring.



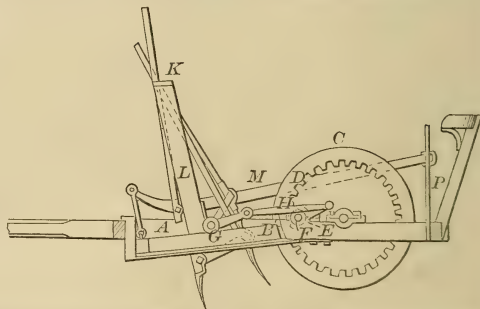
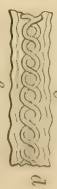
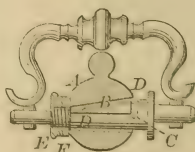
57239—J. D. Winslow—Shutter Fastening.

57237—E. Wilkinson, Jr.—  
For Soldering Eave Troughs.

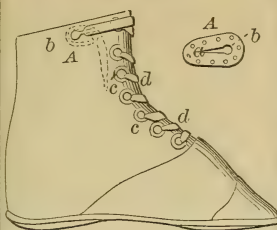
57241—G. M. Wood—Door Bolt.

57244—F. W. Bacon—Culinary  
Steamer for Boilers.

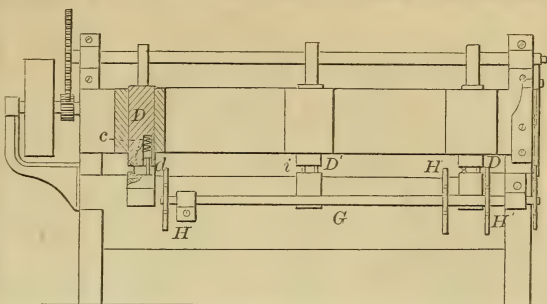
57242—S. Woodbridge—Soil Tilling Machine.

57245—W. Beechke—Using  
Explosive Liquids for Light  
and Heat.57233—White & Bedford—  
Fabric for Tubing, etc.57234—A. A. Wilcox—Shoe  
Nail.57246—H. & E. L. Bailey—  
Urn Cock57236—A. S. Wilkinson—  
Horse Shoe Girth.

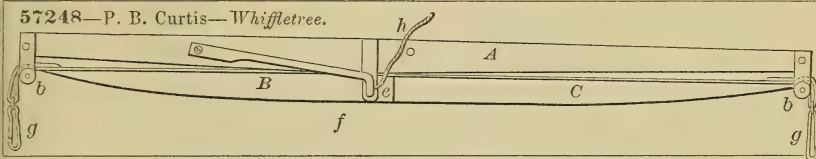
**57247**—G. Butterfield—*Shoe Lacing Fastening.*



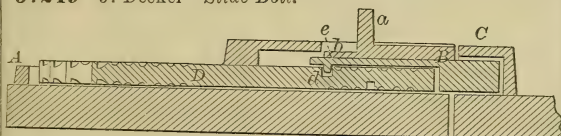
**57251**—J. Fox—*For Flattening and Punching Umbrella Ribs.*



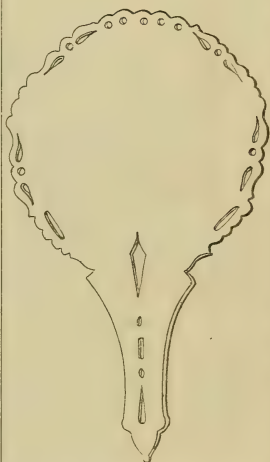
**57248**—P. B. Curtis—*Whiffletree.*



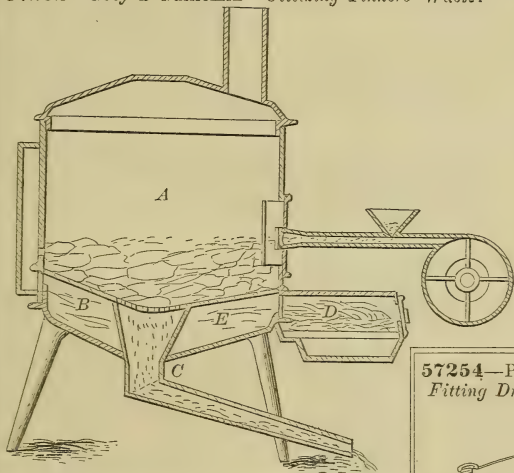
**57249**—J. Decker—*Slide Bolt.*



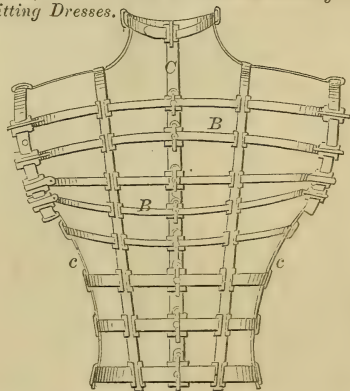
**57253**—S. A. Grant—*Ladies' Fan.*



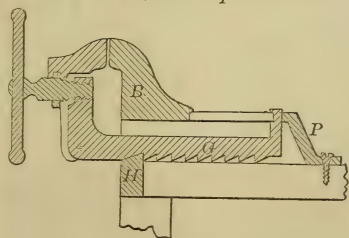
**57252**—Goty & Guillemin—*Utilizing Tinners' Waste.*



**57254**—P. A. La Ment—*For Measuring and Fitting Dresses.*

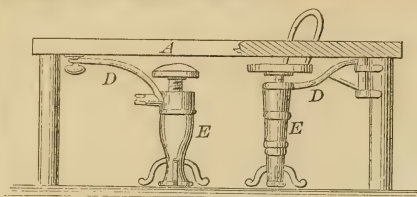


**57250**—O. V. Flora—*Carpenter's Vise.*

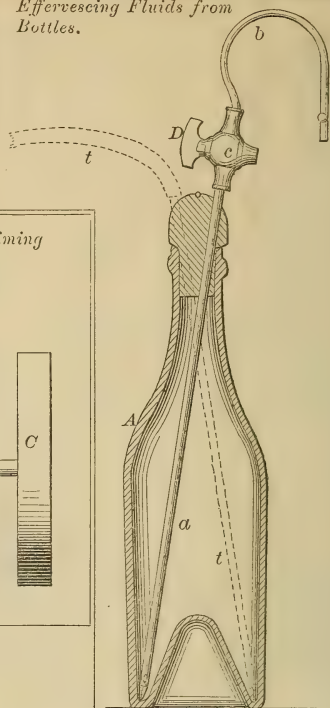




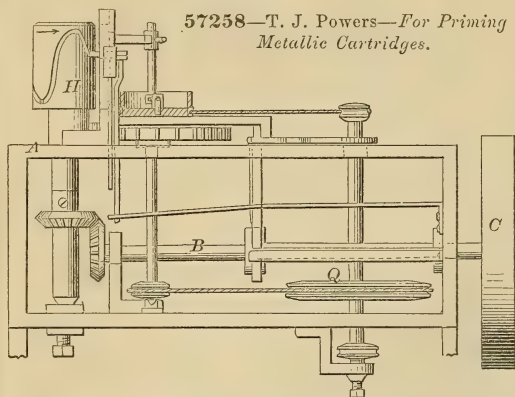
57255—E. Marx—Swinging Chair.



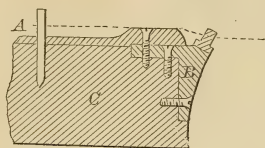
57256—W. W. Meglone—For Removing Effervescing Fluids from Bottles.



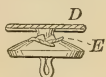
57258—T. J. Powers—For Priming Metallic Cartridges.



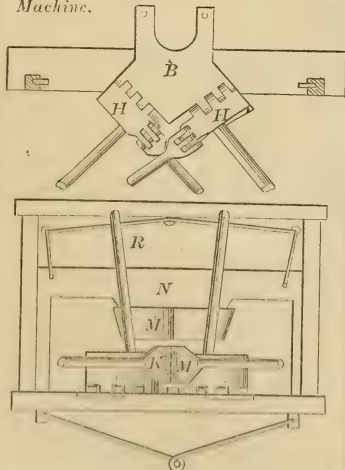
57257—W. Nordhoff—Piano.



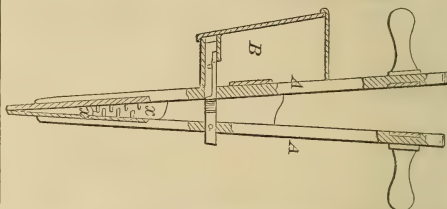
57260—E. A. Robinson—Button.



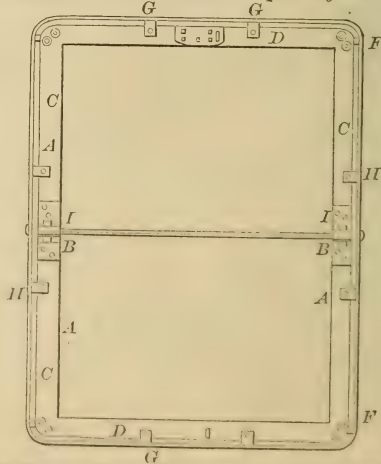
57261—M. S. Sager—Sheet Metal Pan Machine.



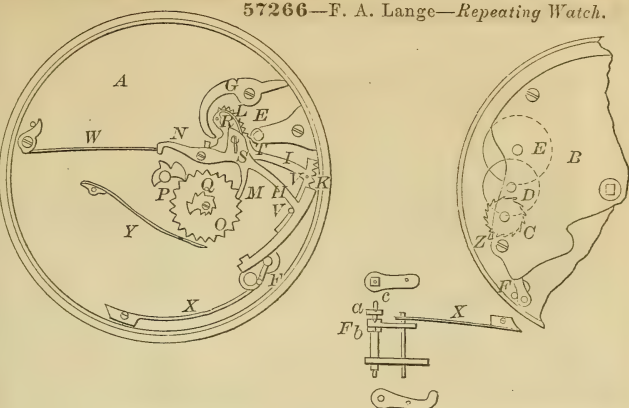
57259—Reed &amp; Pennewell—Corn Planter.



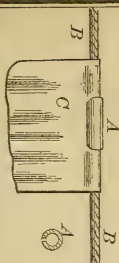
57262—C. &amp; Z. Walsh—Carpet Bag Frame.



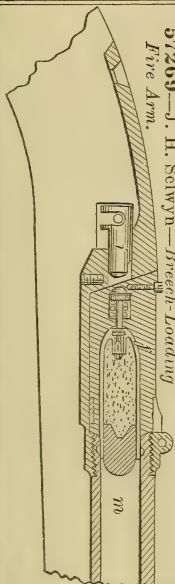
57266—F. A. Lange—Repeating Watch.



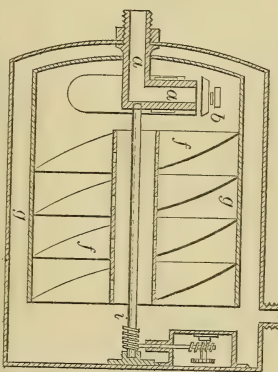
57263—W. Winter—Clothes Line Clamp.



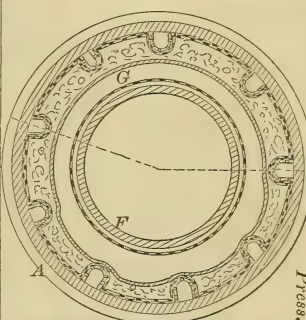
57269—J. H. Selwyn—Breech-Loading Fire Arm.



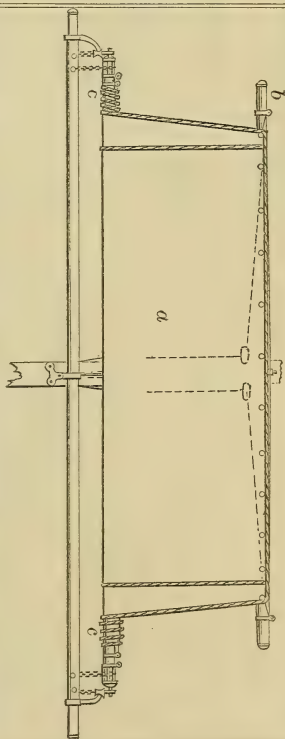
57268—J. T. Scholte—Gas Meter.



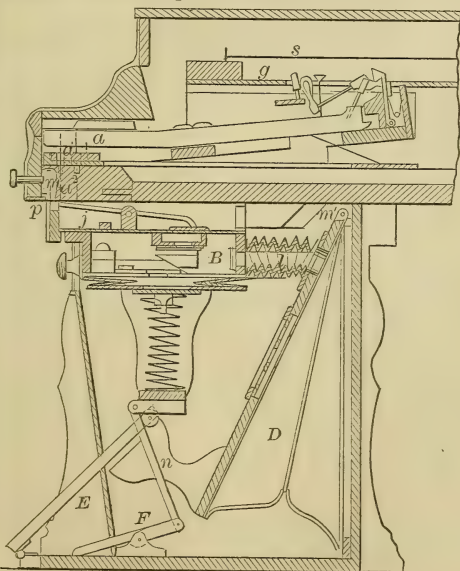
57265—L. P. R. De Massy—Filter-Press.



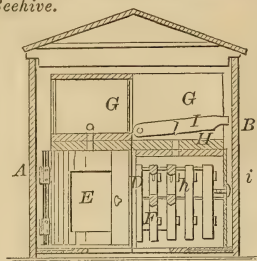
57267—J. Medhurst—For Reefing and Furling Sails.



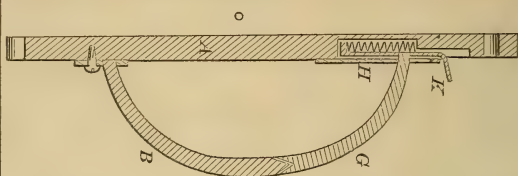
57270—C. F. Uhlig—Harmonium.



57272—L. W. & S. W. Albee—  
—Beehive.



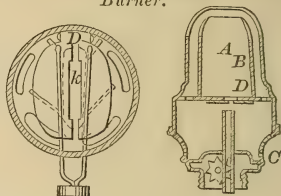
57274—F. Ashley—Letter File.



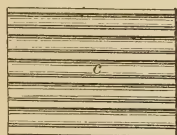
57273—  
S. R. Andres—  
Eraser, &c.



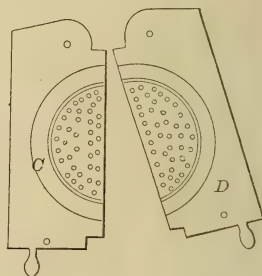
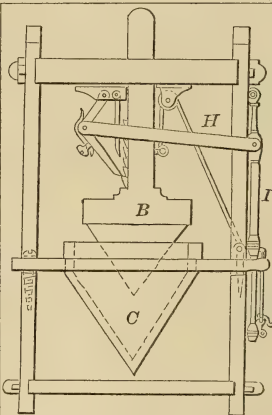
57276—W. W. Batchelder—Vapor  
Burner.



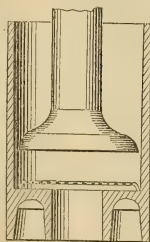
57275—G. Aymard—  
Tobacco Bag.



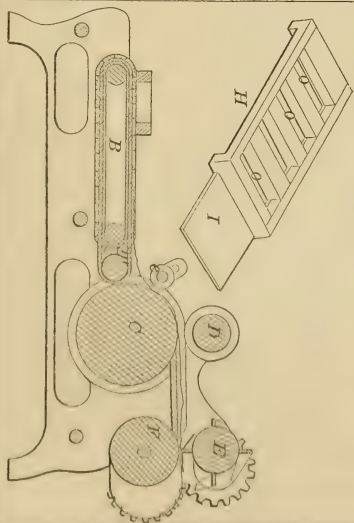
57277—C. Beach—Cider and  
Wine Press.



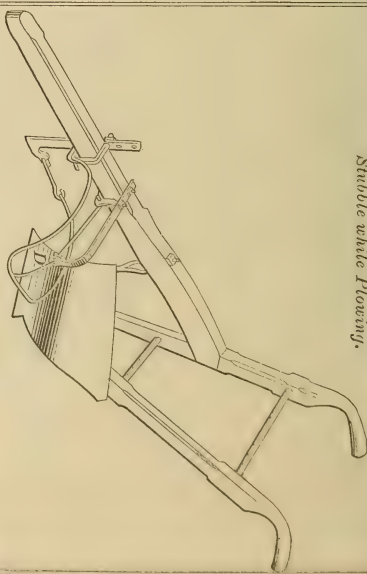
57278—W. W. Beach—  
Skeleton Tumbler.



57280—J. Blackie—Tobacco Pressing Machine.

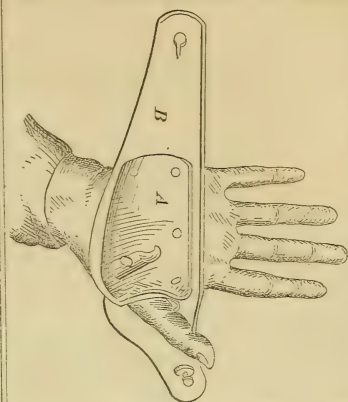
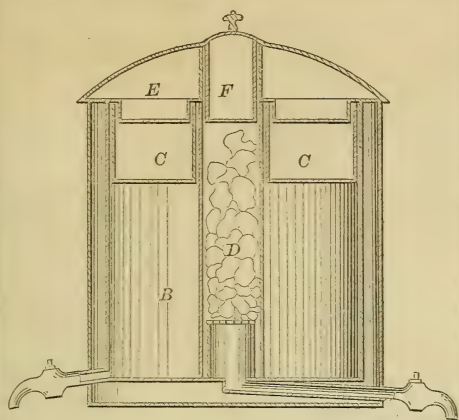


57279—Beer & Wampler—For Burying Weeds and  
Stubble while Plowing.



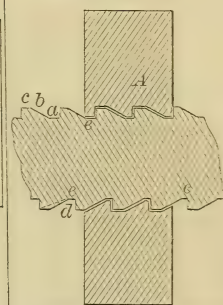


57281—G. D. Blocher—Cooler.



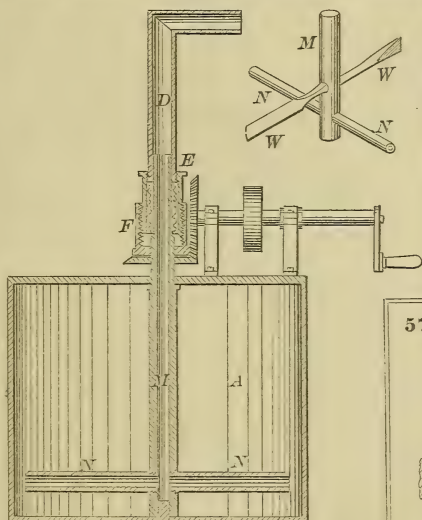
57283—T. J. Brown—Corn Husker.

57284—W. Bryant—For Suppressing Effluvia from Drains.

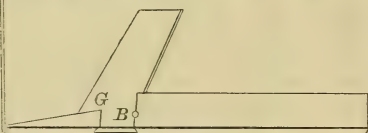


57282—T. Powers—Wooden Screw.

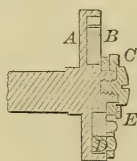
57285—Burket & Gray—For Treating Petroleum.



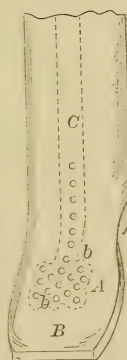
57286—S. Casebeer—Plow Coulter.



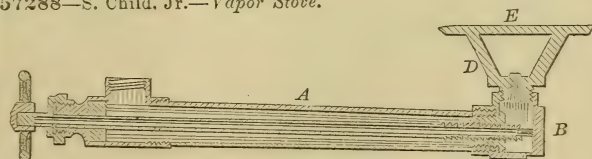
57287—W. Chicken—Sewing Machine.



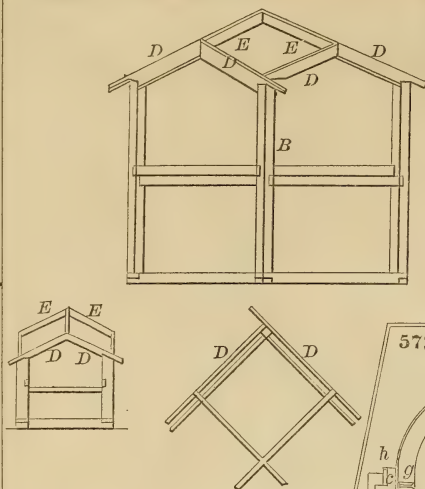
57289—J. J. Christian—Manufacture of Boots.



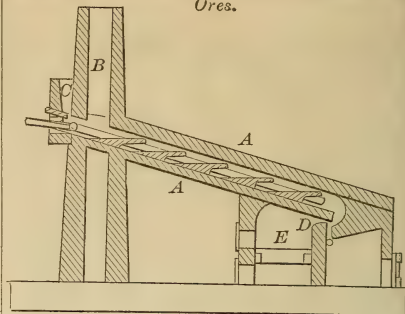
57288—S. Child, Jr.—Vapor Stove.



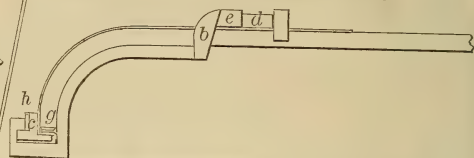
57290—C. S. Clark—Roof.



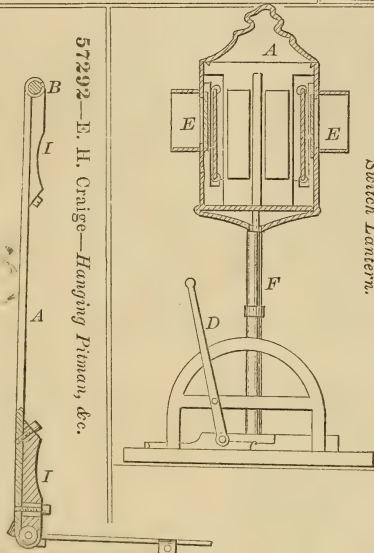
57293—Crosby &amp; Helm—For Desulphurizing Ores.



57294—J. W. Dann—Bending Carriage Thills.

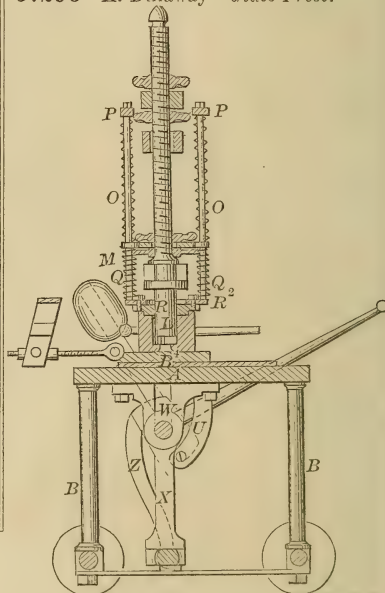


57292—E. H. Crige—Hanging Pivots, &amp;c.

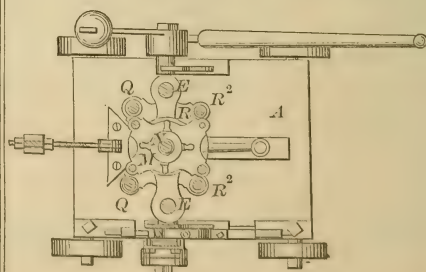
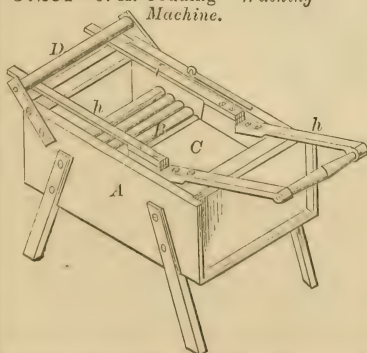


57295—E. E. &amp; A. B. Dickerson—Railroad Switch Lantern.

57296—H. Dillaway—Glass Press.



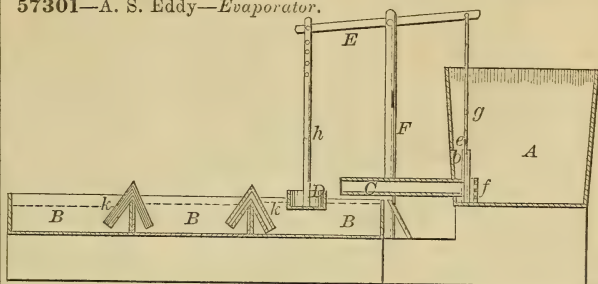
57291—C. A. Codding—Washing Machine.



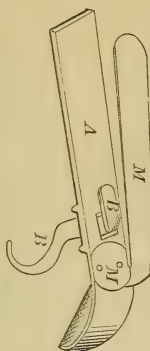
57300—C. Duckworth—Shuttle Binder for Looms.



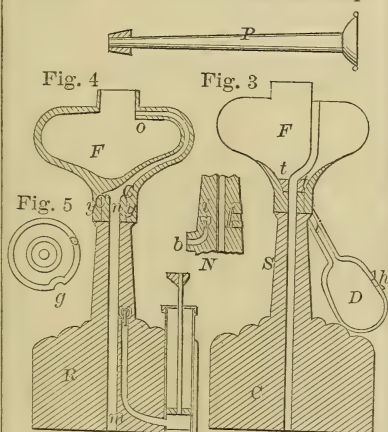
57301—A. S. Eddy—Evaporator.



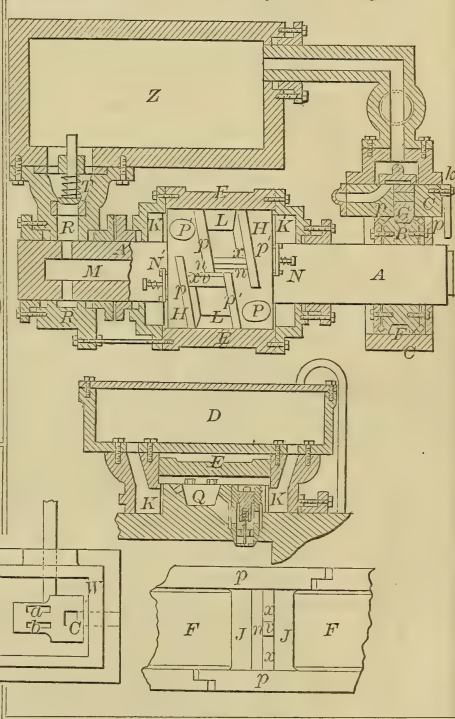
57297—H. F. Dougherty—Hand Jack for Compress Garters.



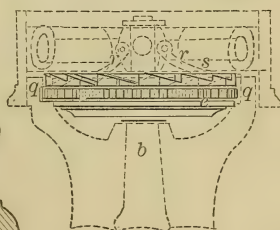
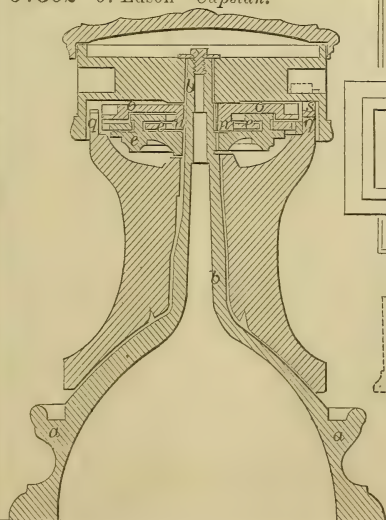
57299—J. P. Driver—Fountain Lamp.



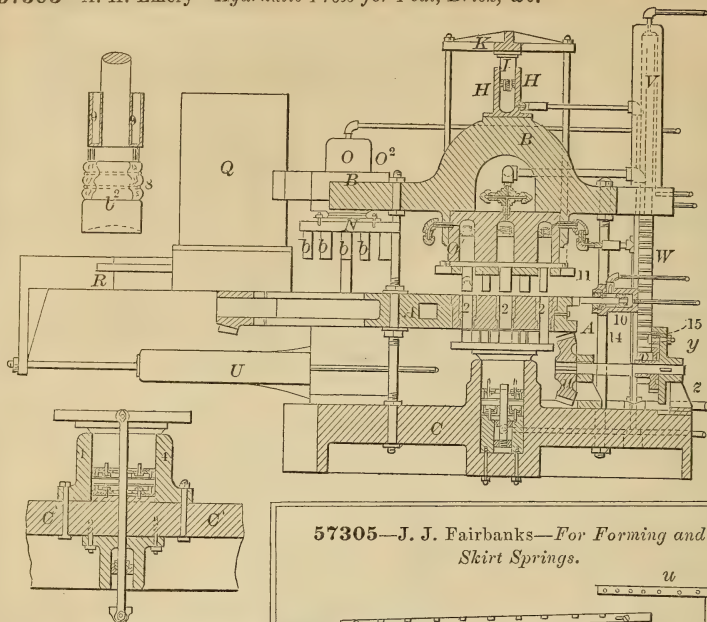
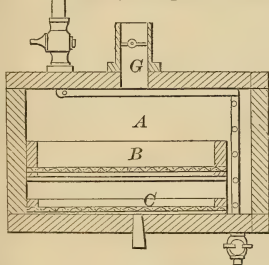
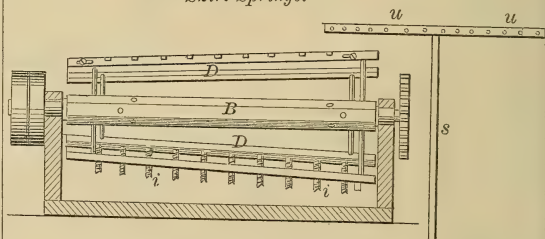
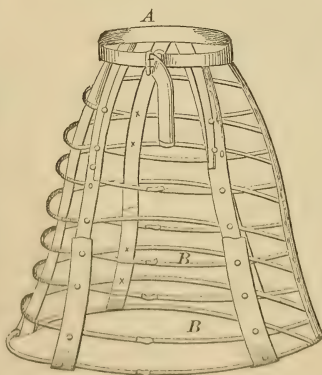
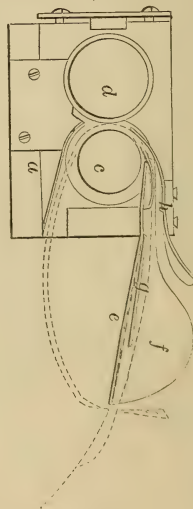
57298—J. Dreisörner—Hydraulic Engine.



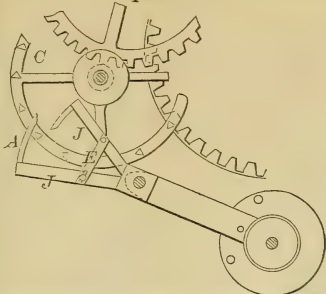
57302—J. Edson—Capstan.



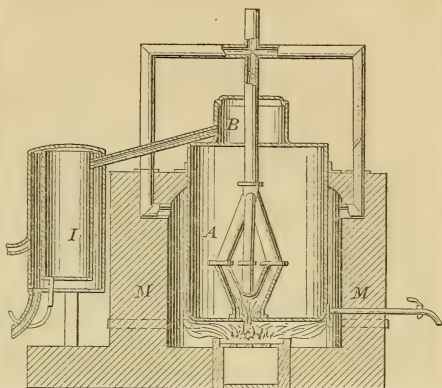


57303—A. H. Emery—*Hydraulic Press for Peat, Brick, &c.*57304—H. B. Esty—*Purifying Spruce Gum.*57305—J. J. Fairbanks—*For Forming and Cutting Skirt Springs.*57306—D. Flagg—*Water Elevator.*57309—L. H. Foy—*Hoop Skirt.*57308—J. C. Ford—*Paper Collar Machine.*

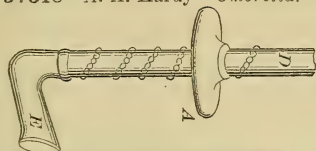
57310—S. D. French—Watch Escapement.



57311—J. B. Grant—For Distilling Oil.



57318—A. A. Hardy—Umbrella.



57312—A. B. Greenwalt—Carriage Spring.

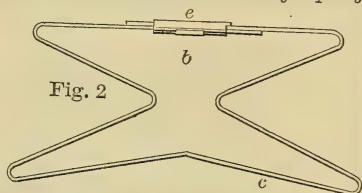
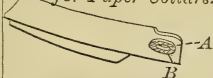
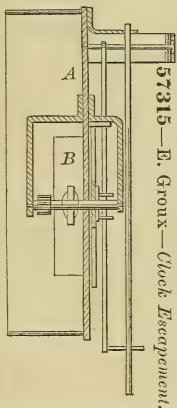
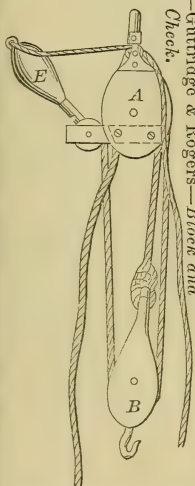


Fig. 2

57314—T. Griffin—Button Hole Patch for Paper Collars.

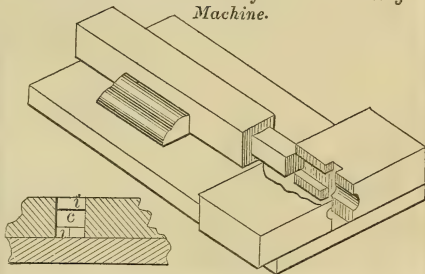


57316—Guttridge & Rogers—Block and Tackle Check.

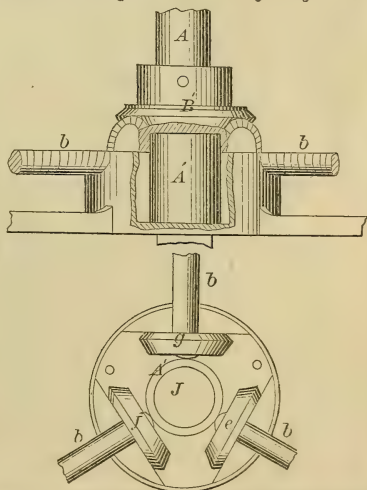


57315—E. Groux—Clock Escapement.

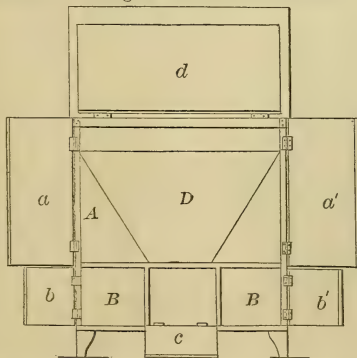
57313—J. Gribben—Die for Bolt Heading Machine.

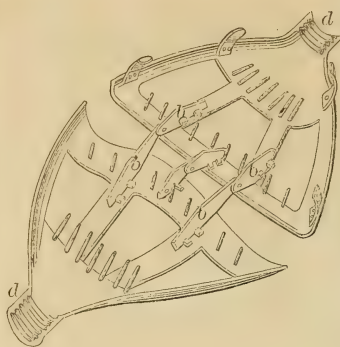
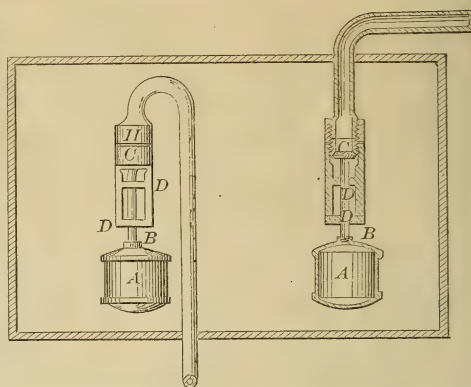
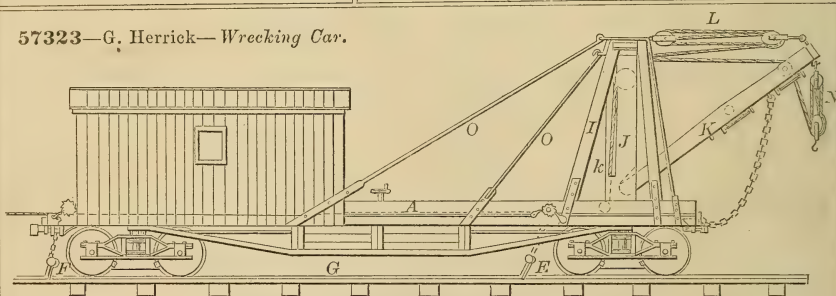
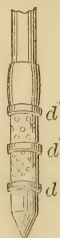
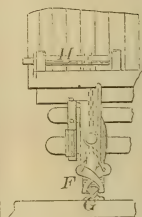
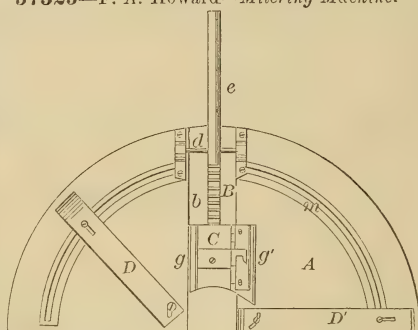
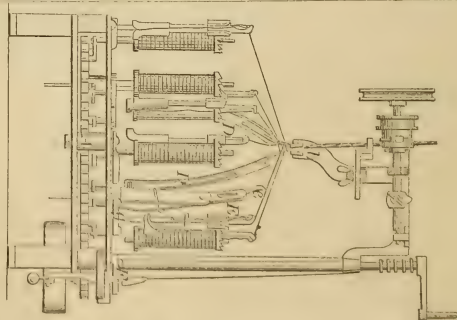
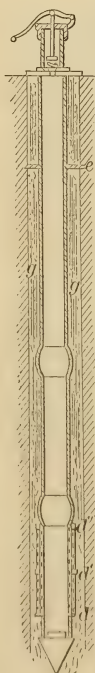


57319—T. Harper—For Boring Wagon Hubs.



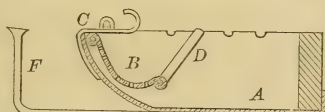
57317—R. Hagen—Ice and Coal Box.



57320—A. Harroun—*Broom Head.*57321—E. Heald—*Float Valve.*57323—G. Herrick—*Wrecking Car.*57325—F. A. Howard—*Mitering Machine.*57322—G. G. Hermann—*Construction of Wells.*57326—Howe & Mackrell—*Winding Machine.*



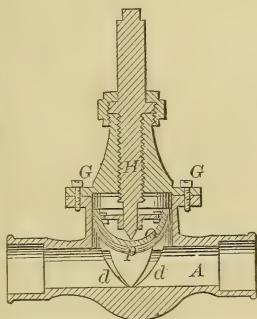
57327—W. H. Isaacs—*Evaporator.*



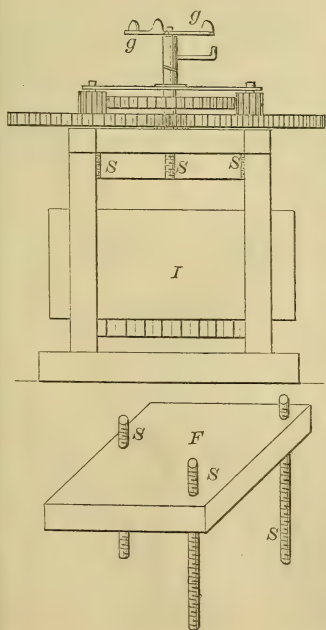
57328—H. S. C. Iwerson—*Head Dress.*



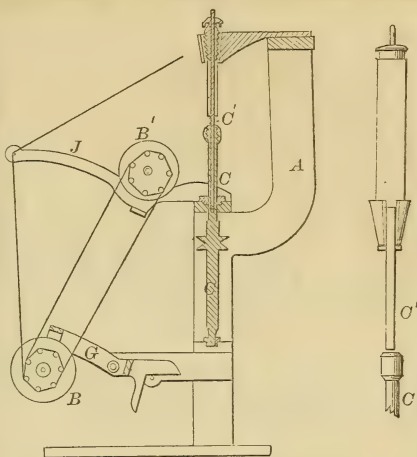
57329—N. Jenkins—*Water Gate.*



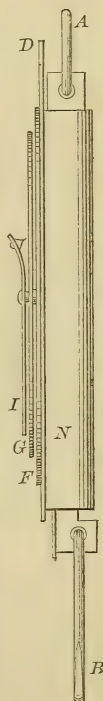
57331—I. H. Johnson—*Hay Press.*



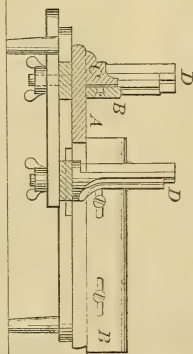
57330—B. H. Jenks—*Cop Winding Machine.*



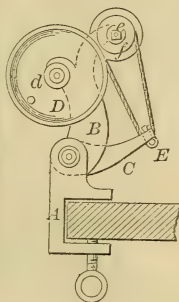
57332—J. Johnson—*Automatic Calculator for Scales.*



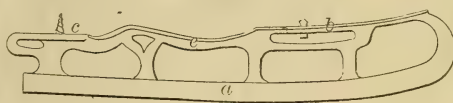
57334—G. Keating—*Mire Box.*



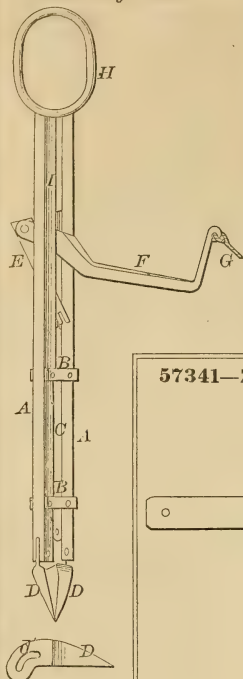
57336—H. Koeller—*Hand Spinning Machine.*



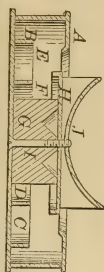
57335—J. Kinzer—*Skate.*



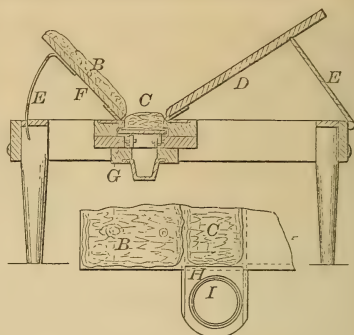
57337—A. J. Laird—*Horse Hay Fork.*



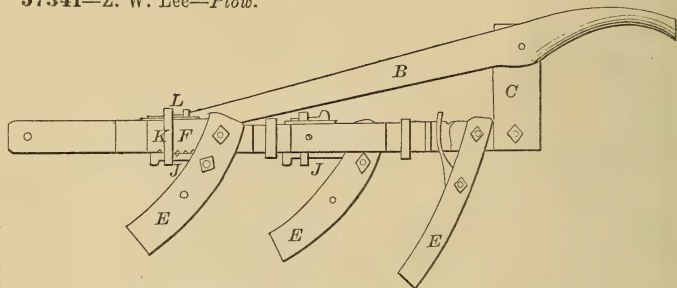
57338—E. D. Lake—*Bed Bug Trap.*



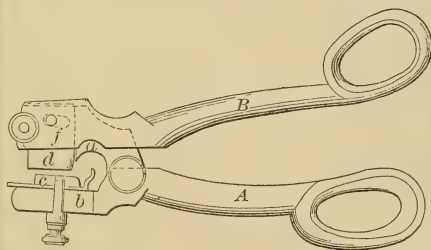
57340—M. M. Latta—*Fracture Bed.*



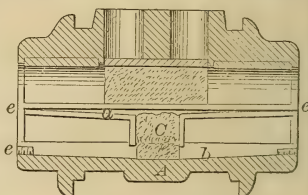
57341—Z. W. Lee—*Plow.*



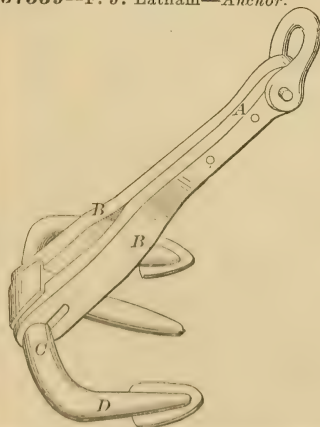
57342—W. Lieber—*Button Hole Cutter.*



57343—E. F. Leight—*Journal Box.*



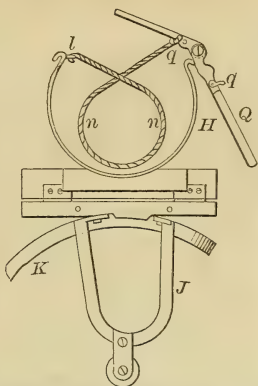
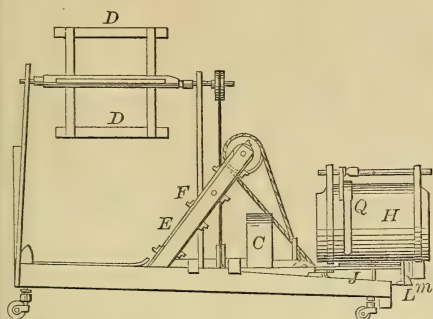
57339—F. J. Latham—*Anchor.*



57344—N. P. Lindergreen—*Children's Sled.*



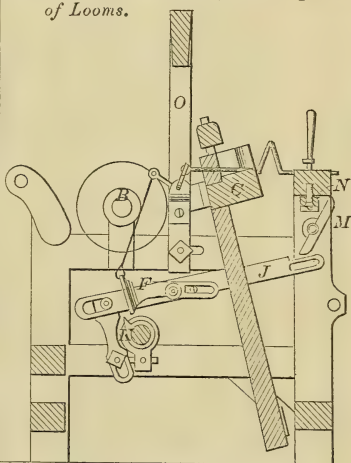
57345—R. B. Linthicum—*Corn Harvester.*



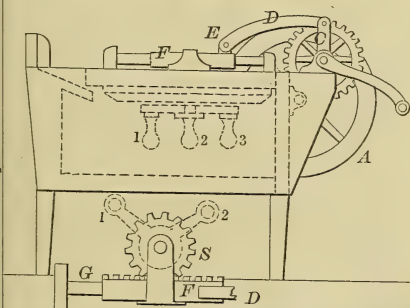
57346—W. Litzenberg—*Horse Shoe.*



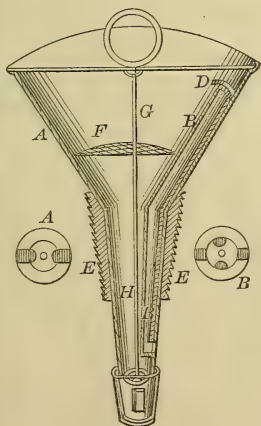
57350—A Marchington—*Stop Motion of Looms.*



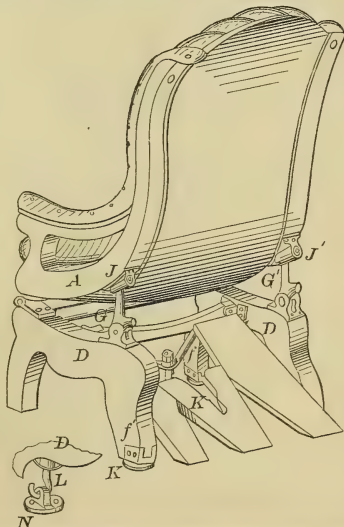
57348—J. R. Madison—*Washing Machine.*



57347—C. L. Lochman—*Funnel.*

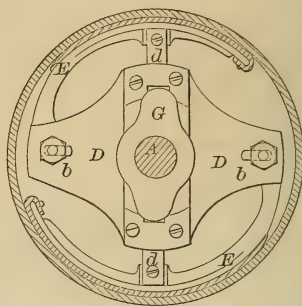
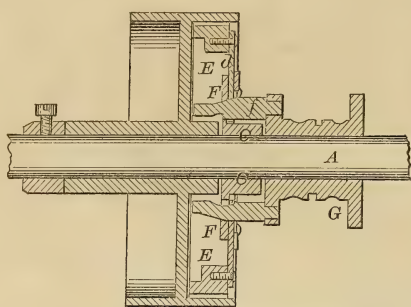


57351—M. M. & F. Martin—*Railroad Car Seat.*

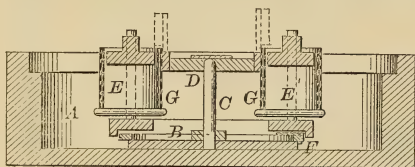




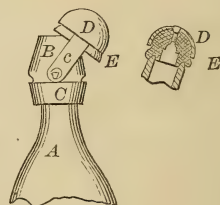
57352—L. G. Mason—Friction Pulley.



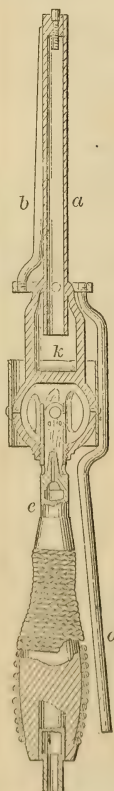
57353—G. B. Massey—Railroad Turn Table.



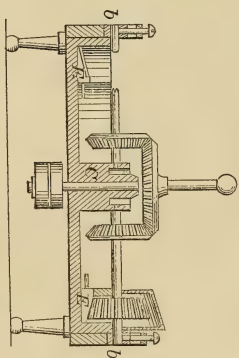
57356—F. Miller—Bottle Stopper.



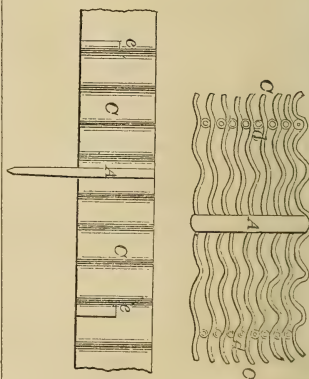
57354—H. S. Maxim—Curving Iron.



57355—J. McCracken—Ray Engine.



57358—R. Montgomery—Grate Bar.



57359—R. Montgomery—Construction of Ships.

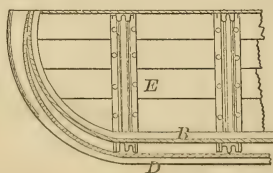


Fig. 3

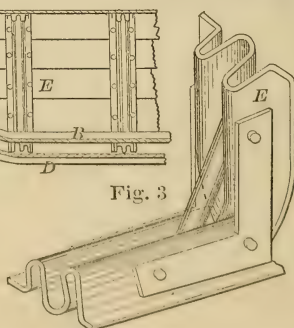
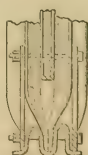
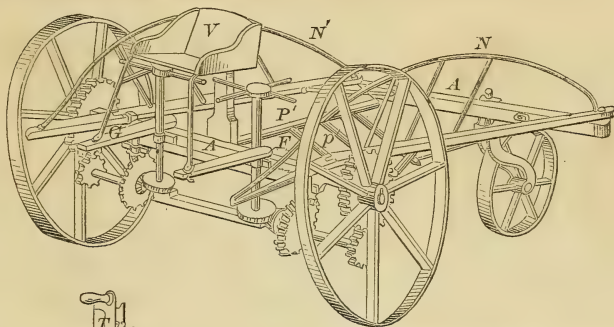


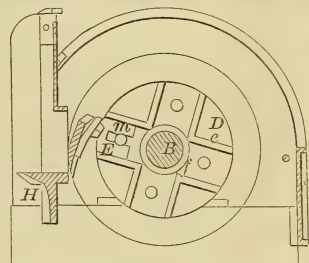
Fig. 4



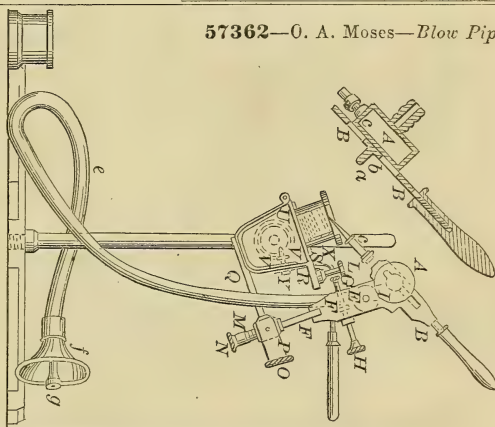
57360—C. G. Moreman—*Corn Harvester.*



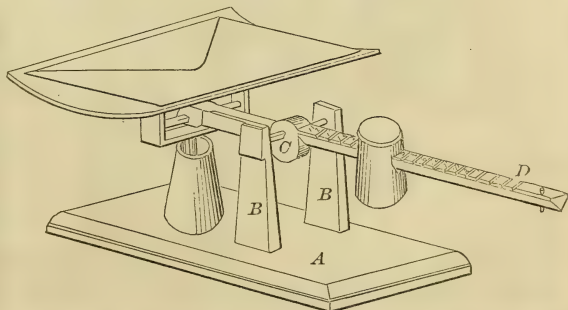
57363—J. H. Mumma—*Straw Cutter.*



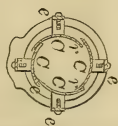
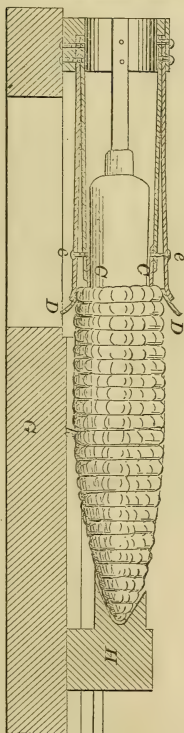
57362—O. A. Moses—*Blow Pipe.*



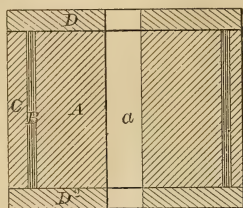
57364—R. Murdoch—*Letter Scale Beam.*



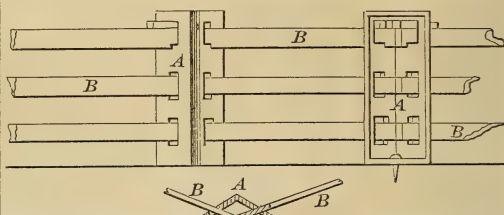
57361—F. A. Morley—*For Cutting Corn from the Cob.*



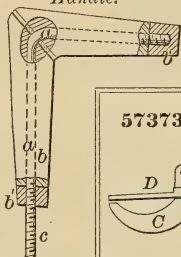
**57365**—J. Murphy—*Railroad Car Spring.*



**57366**—W. Neely—*Fence.*



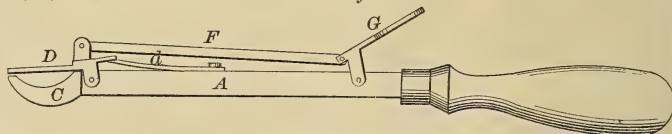
**57367**—H. Nitzsche—*Cane Handle.*



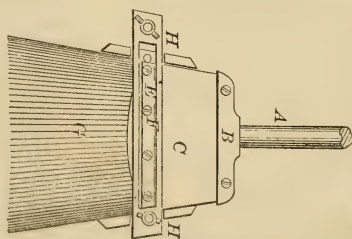
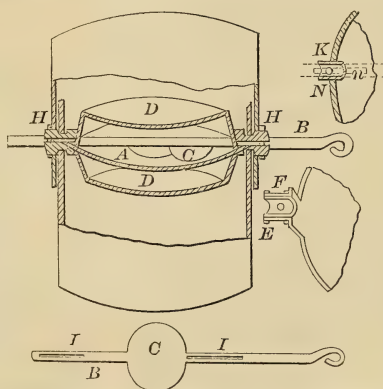
**57370**—W. P. Patton—*Eraser Holder.*



**57373**—C. H. Porter—*Stove Cover Lifter.*

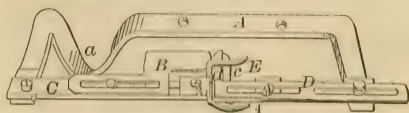


**57368**—Ogborn & Chapin—*Stove Pipe Damper.*

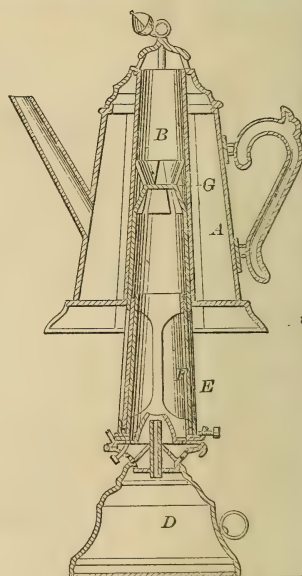


**57369**—M. W. Owens—*Broom Head and Clamp.*

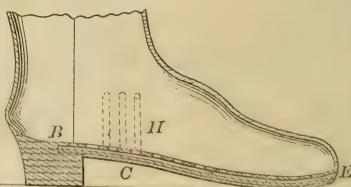
**57374**—W. Preiss—*Folding and Plaiting Device for Sewing Machines.*



**57372**—L. A. Plumb—*Tea and Coffee Pot.*

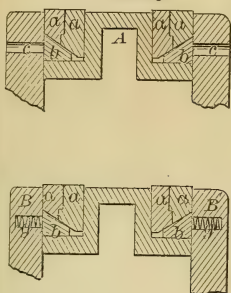


**57371**—S. Perry—*Ventilating Boot.*

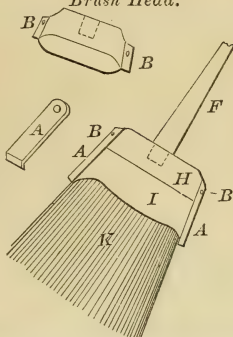




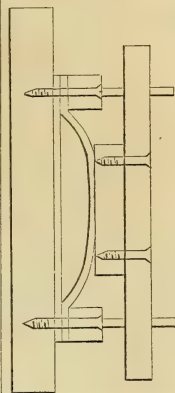
57375—E. T. Prindle—Piston Packing.



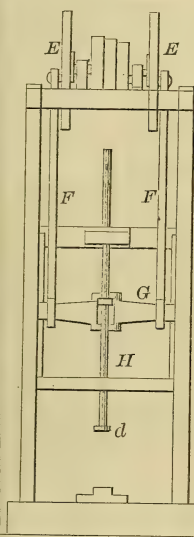
57378—G. T. Reed—Broom and Brush Head.



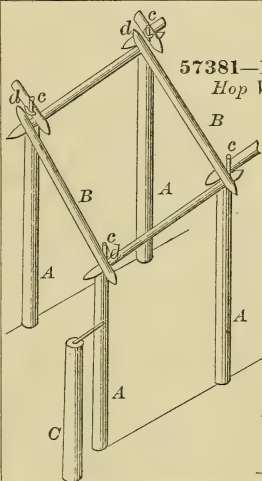
57377—S. G. Randall—Elastic Spring.



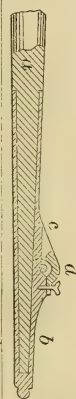
57380—T. C. Robbins—Gold Beating Apparatus.



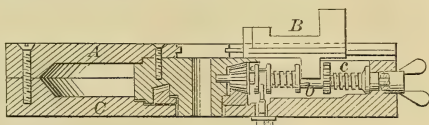
57381—Roberts & Badger—Hop Vine Supporter.



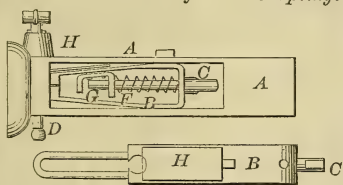
57379—U. Reynolds—Pole Iron Socket for Carriages.



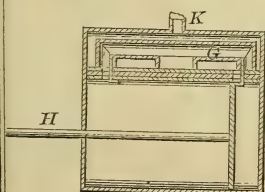
57383—R. & T. Ross—Chuck.



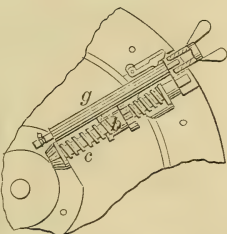
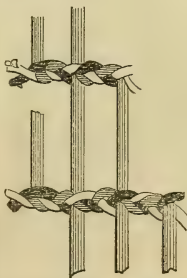
57385—J. B. Rumsey—Car Coupling.



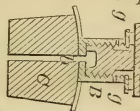
57386—Sangster & Ware—Steam Engine Valve.



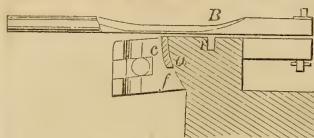
57384—T. Royer—Fly Flap



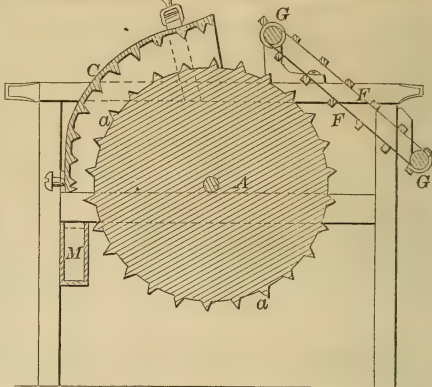
57382—G. W. Rogers—Bottle Stopper.



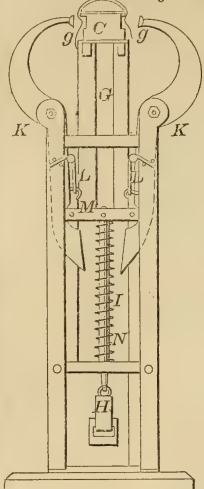
57387—J. F. Sayer—Stave Jointer.



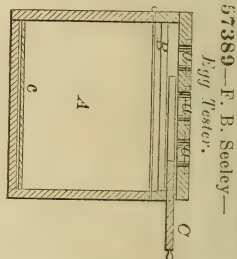
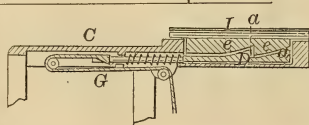
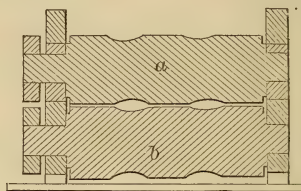
57393—E. F. Sherman—Corn Sheller.



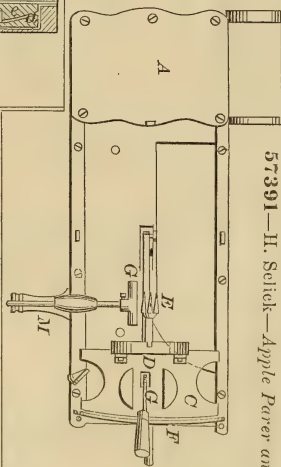
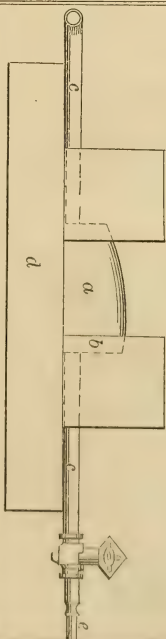
57392—E. Shaw—For Clamping and Stretching Leather.



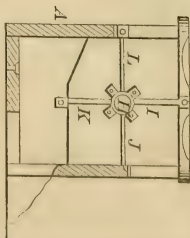
57388—J. S. Seaman—Rolling Iron or Steel.

57389—F. B. Seeley—  
Hyg. Tester.57395—Smith & Chase—  
Bed Bottom.

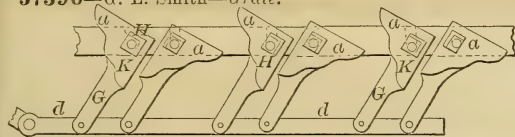
57394—G. B. Simpson—For Reducing Ores.



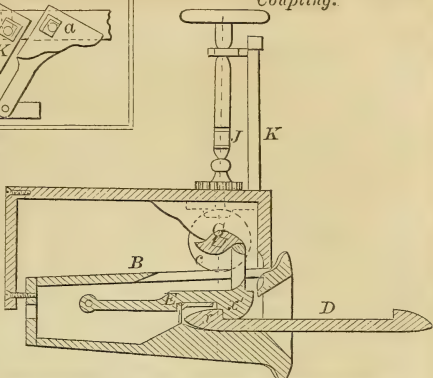
57391—H. Seick—Apple Porer and Corer.



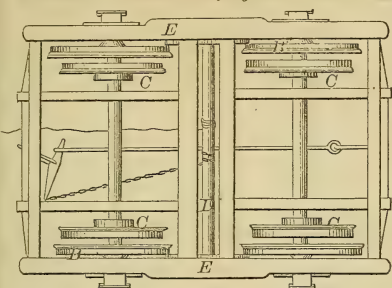
57396—G. L. Smith—Grate.



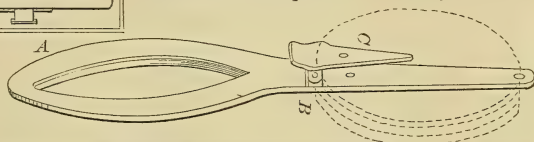
57397—D. B. Snyder—Car Coupling.



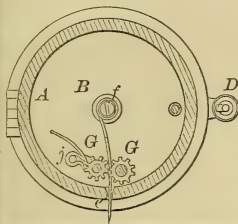
57404—E. Stiles—Safety Car Truck.



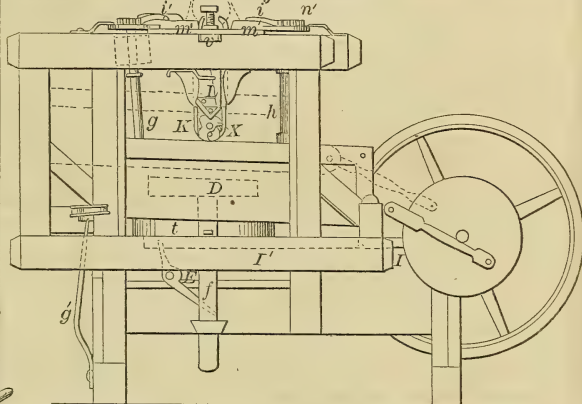
57401—T. H. Spencer—Blacking Box.



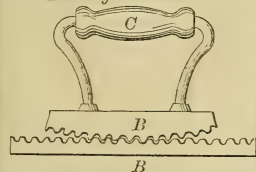
57398—G. R. & J. Solomon—Ticket Register.



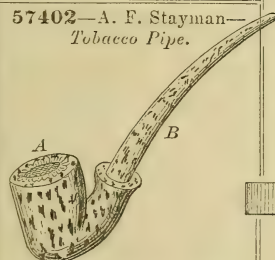
57405—O. Stoddard—Shingle Machine.



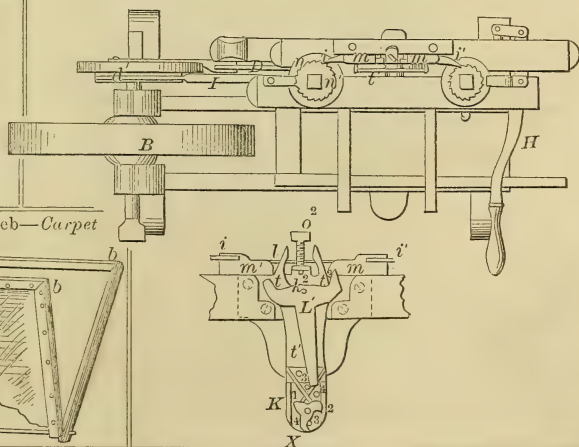
57403—C. A. Sterling—Fluting Machine.



57402—A. F. Stayman—Tobacco Pipe.

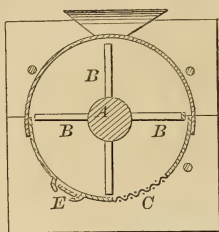


57399—Sonnekalb & Lieb—Carpet Bay Frame.

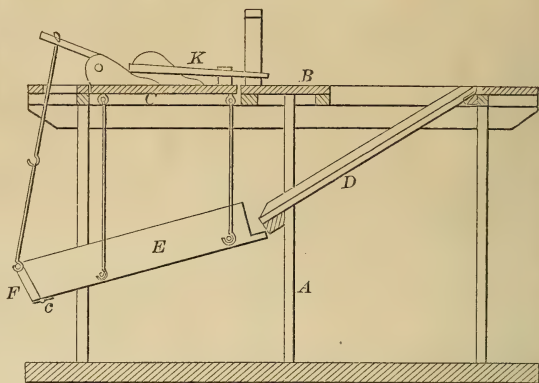




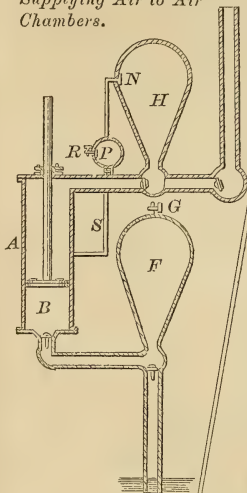
57406—R. H. Taylor—*Hominy Machine.*



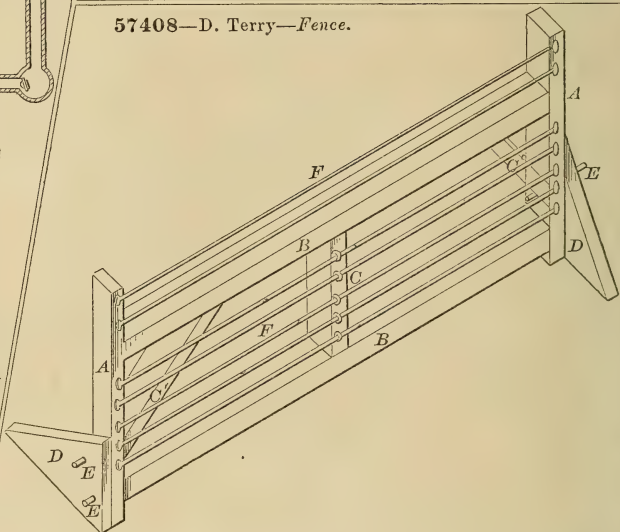
57407—W. H. Taylor—*Weighing Device.*



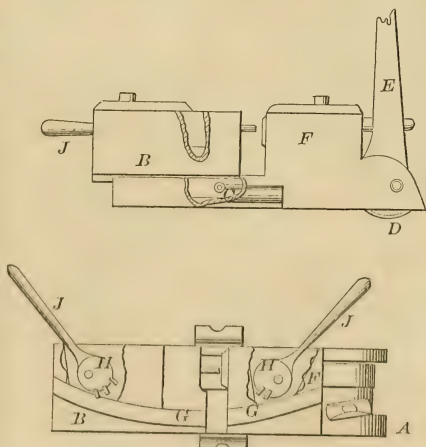
57412—P. H. V. Weyde—*Supplying Air to Air Chambers.*



57408—D. Terry—*Fence.*



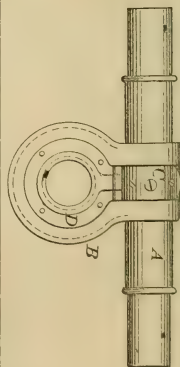
57410—T. Tully—*Tire Shrinking Machine.*



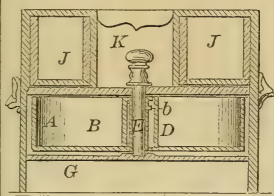
57411—L. B. Tupper—*Grote Bar.*



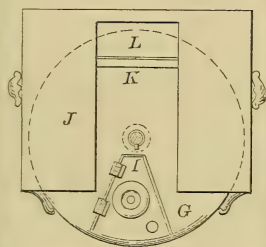
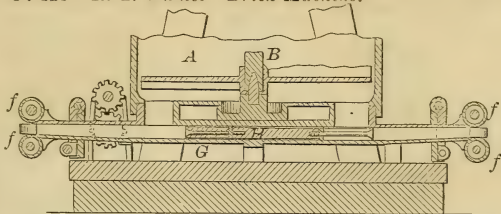
57413—N. H. Vosburgh—*Neck Yoke.*



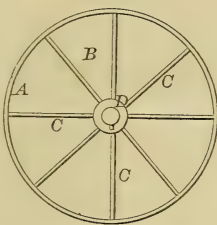
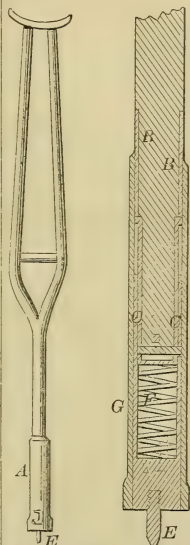
57414—A. J. Walker—  
*Spice Holder.*



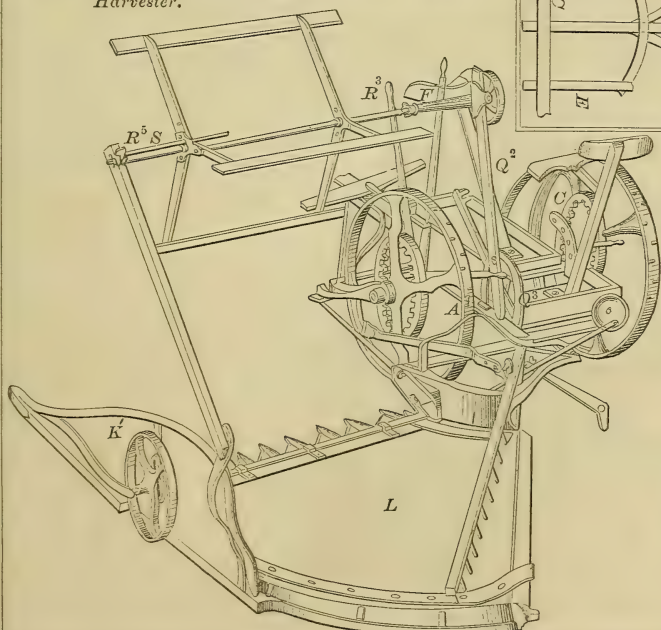
57415—R. L. Walker—*Brick Machine.*



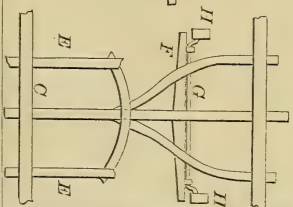
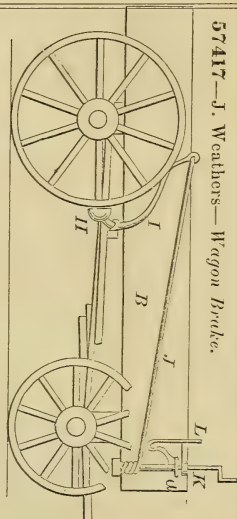
57416—R. W. Ware—*Crutch.*



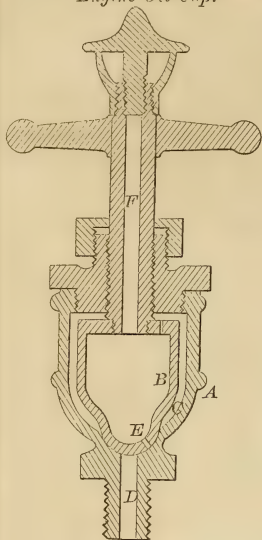
57419—W. N. Whiteley, Jr.—  
*Harvester.*



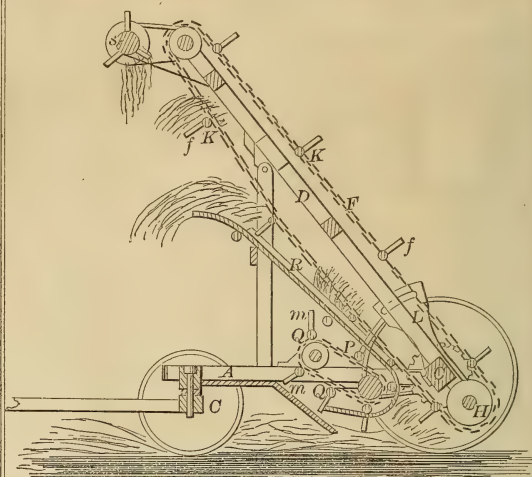
57417—J. Weathers—*Wagon Brake.*



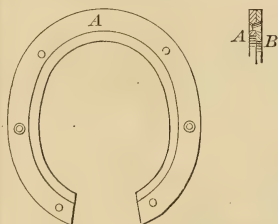
57418—N. J. White—*Steam Engine Oil Cup.*



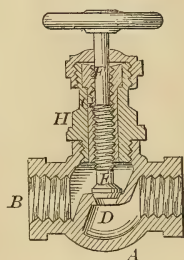
57421—H. Willard—*Hay Raking and Loading Machine.*



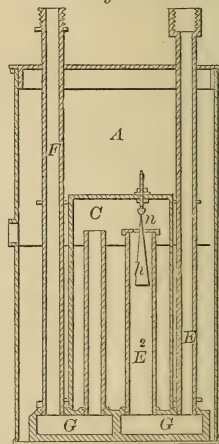
57420—A. S. Wilkinson—*Horse Shoe.*



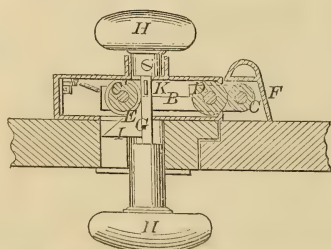
57424—J. B. Wood—*Steam Valve.*



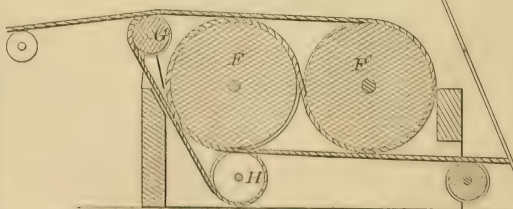
57425—J. S. Wood—*Gas Regulator.*



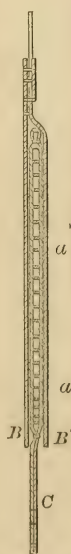
57423—G. M. Wood—*Lock*



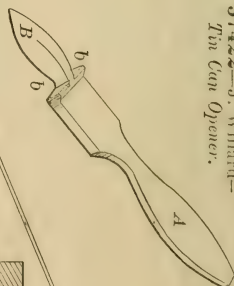
57428—J. E. Wootten—*Winding Apparatus for Inclined Planes.*



57426—A. Woodard—*Suspenders.*

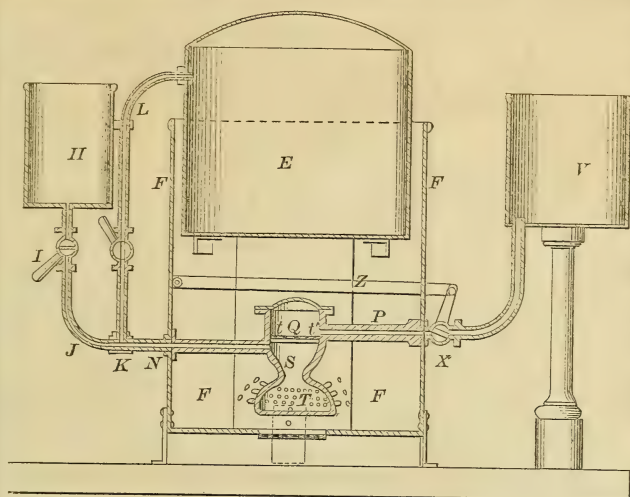


57422—J. Willard—*Tin Can Opener.*

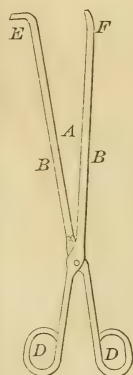




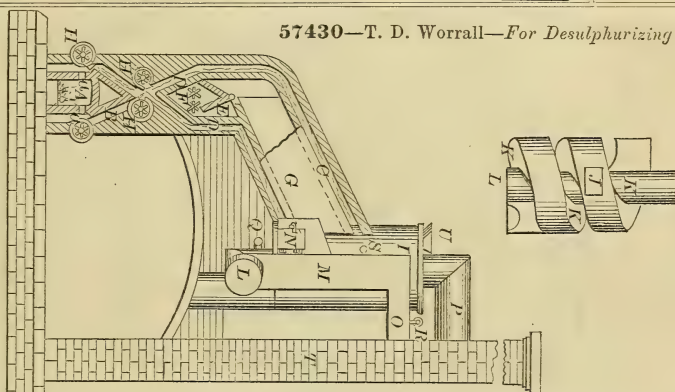
57429—A. J. Works—Burning Liquid Hydro-Carbon.



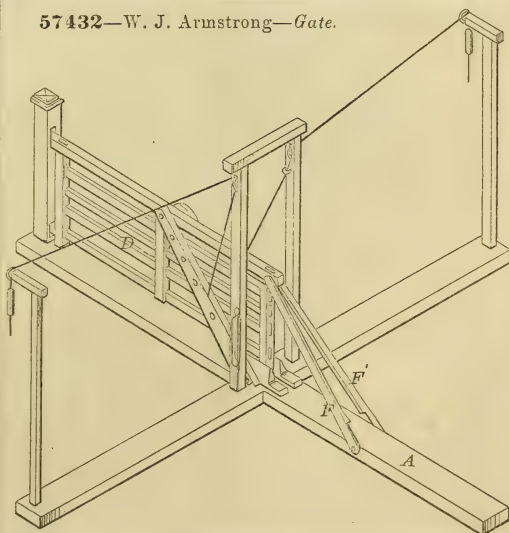
57431—S. D. Yerkes—Tongs and Poker.



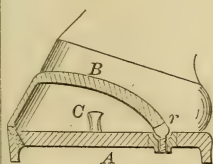
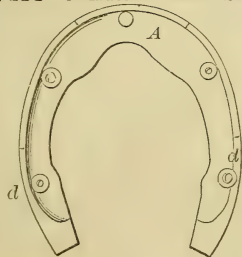
57430—T. D. Worrall—For Desulphurizing Quartz.



57432—W. J. Armstrong—Gate.

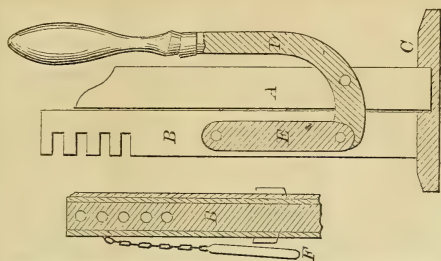


57433—J. Austin—Horse Shoe.

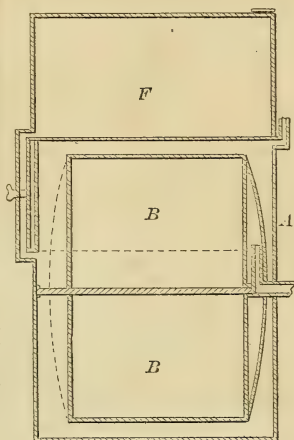




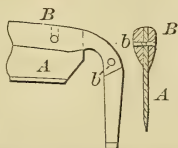
57439—J. F. Hammond—*Lifting Jack.*



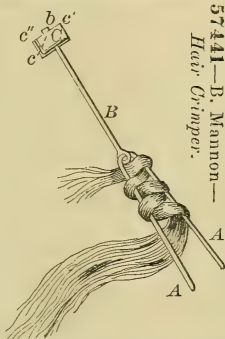
57442—D. McDonald—*For Carburetting Air.*



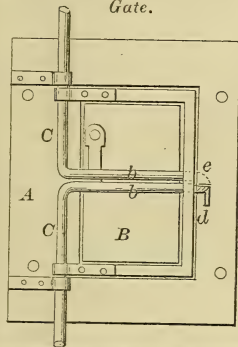
57440—C. M. Hodges—*Scythe.*



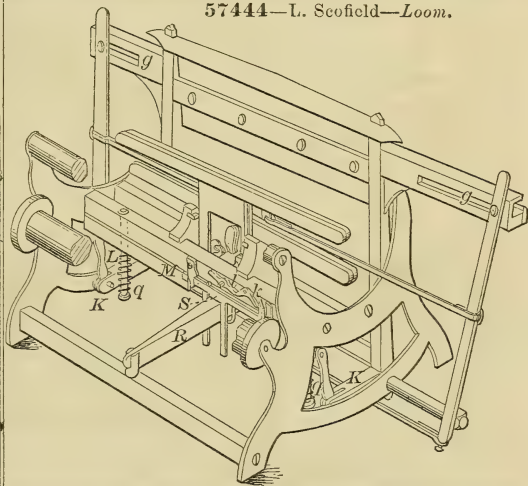
57441—B. Mannon—*Hair Crimper.*



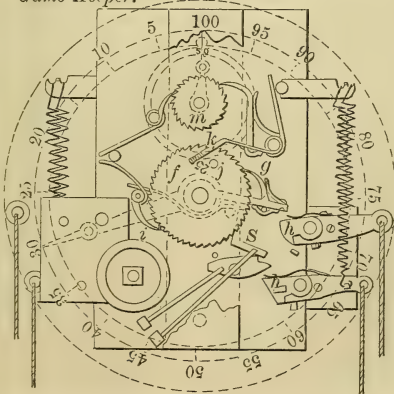
57445—G. Seitzinger—*Grain Gate.*



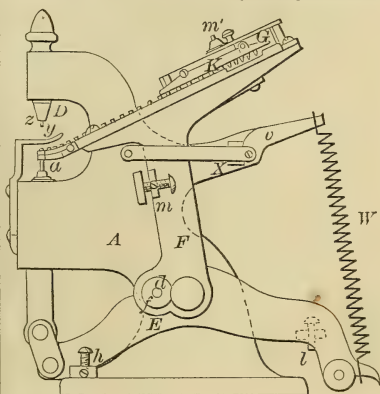
57444—L. Scofield—*Loom.*



57443—Miller & Reichert—*Billiard Game Keeper.*

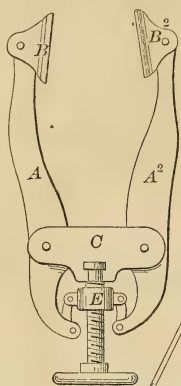


57446—G. Shipman—*Eyeletting Machine.*

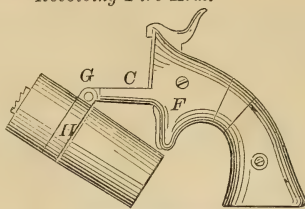




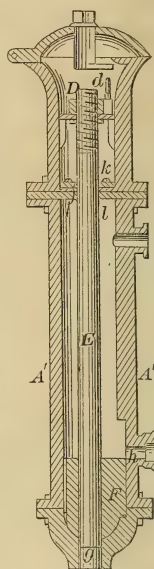
57447—A. C. Stockmar—  
Hand Vise or Clamp.



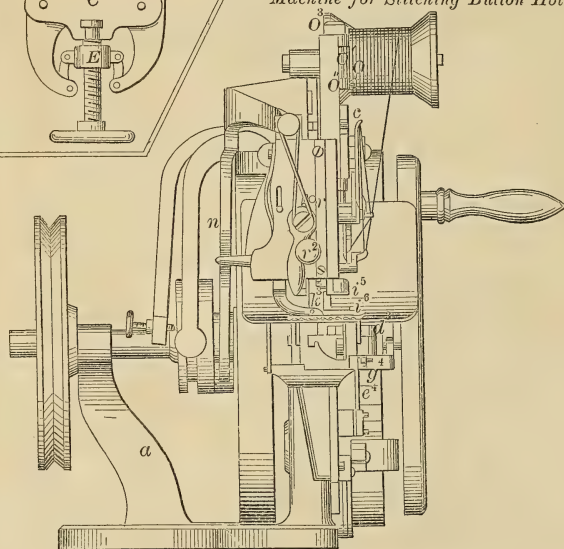
57448—J. H. Vickers—  
Revolving Fire Arm.



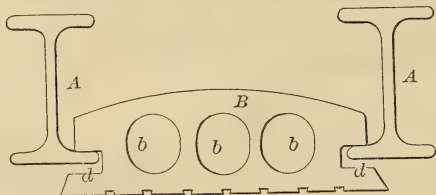
57449—J. M. Ward—  
Hydrant.



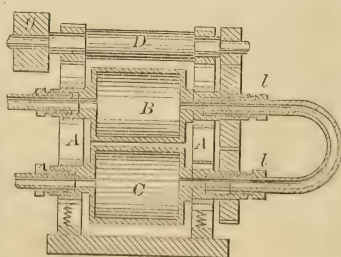
57451—J. M. Clements—Sewing  
Machine for Stitching Button Holes.



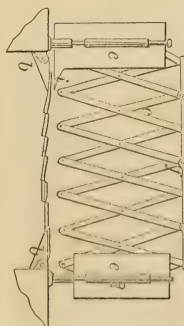
57450—M. Aborb—Brick for Ceilings.



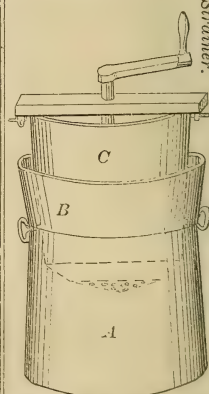
57455—W. Aiken—Hosiery  
Ironing Machine.



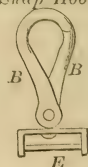
57453—Hempstead & Hills—Safety  
Bridge for Railroad Cars.



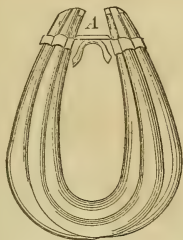
57452—Baker, Holmes & King—Cream  
Strainer.



57456—C. H. Alsop—  
Snap Hook.



57457—C. Alvord—*Horse Collar.*



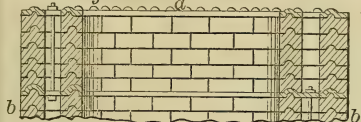
57463—G. A. Beard—*Mould Board for Plows.*



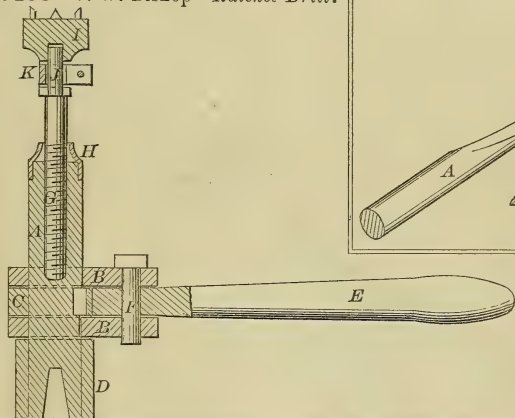
57461—Bartlett & Johnson—*Brick.*



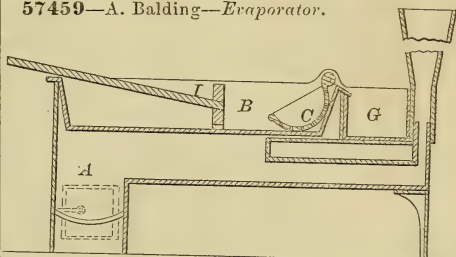
57462—Bartlett & Johnson—*Double Cylindrical Structure.*



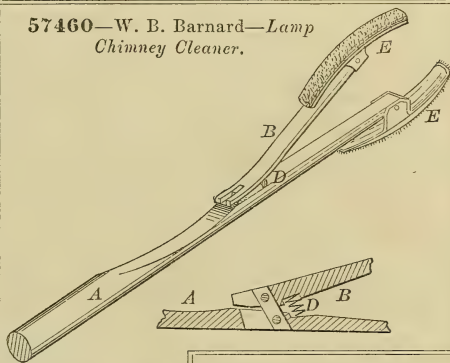
57466—G. W. Bishop—*Ratchet Drill.*



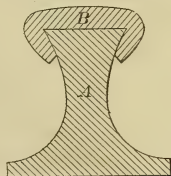
57459—A. Balding—*Evaporator.*



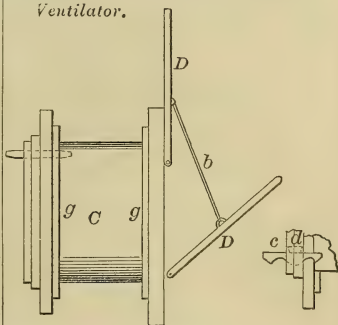
57460—W. B. Barnard—*Lamp Chimney Cleaner.*



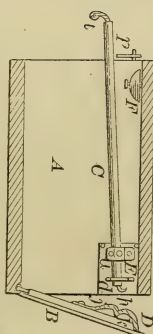
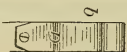
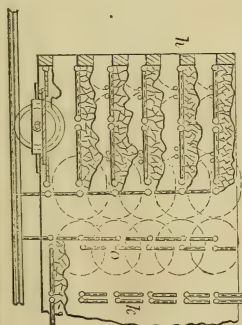
57467—J. L. Booth—*Railroad Rail.*



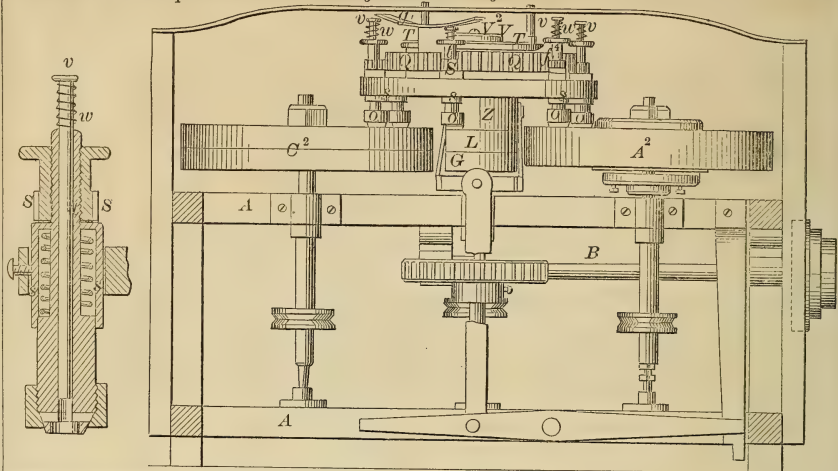
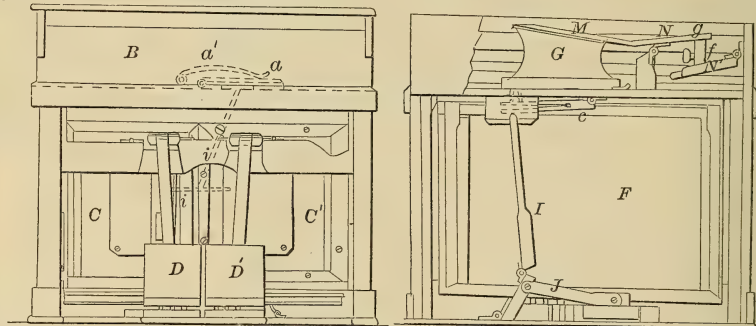
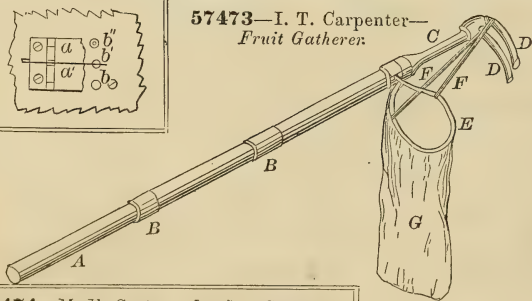
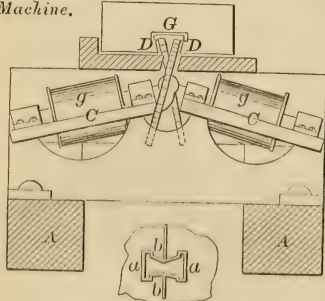
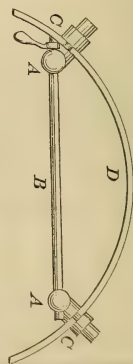
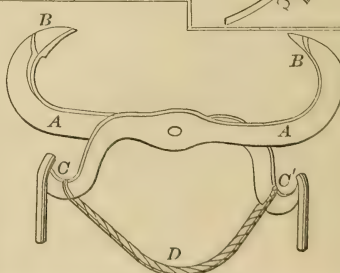
57470—J. A. Caldwell—*Car Ventilator.*



57469—H. Bradford—*For Drying Feet.*

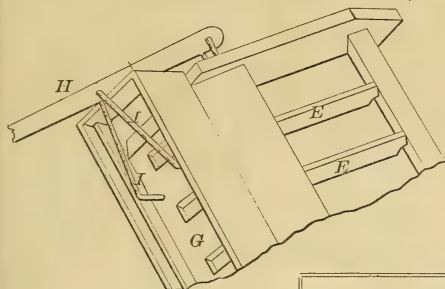


57464—J. H. Reiller—*Post Office Delivery Box.*

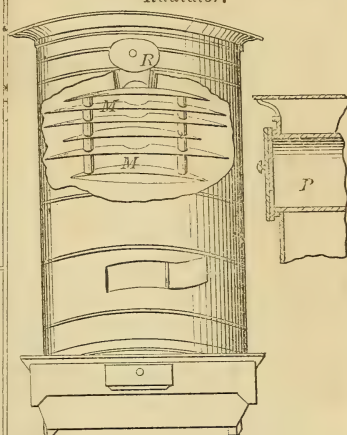
57471—G. J. Caperwell—*For Grinding and Polishing Buttons.*57472—P. Carbach—*Melodeon.*57473—I. T. Carpenter—*Fruit Gatherer.*57474—M. E. Carter—*Lumber Grooving Machine.*57475—H. W. Caswell—*For Shrinking Tires.*57476—J. H. Chapman—*Grapppling Iron.*



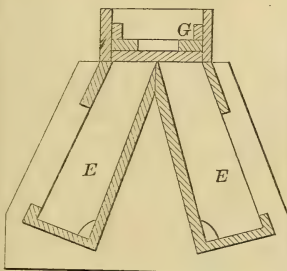
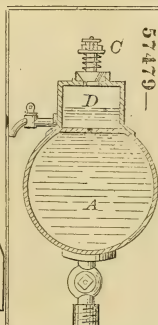
57477—R. Chesnut—Feeding Trough.



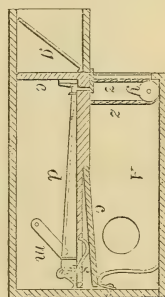
57481—Conver & Bothwick—Heat Radiator.



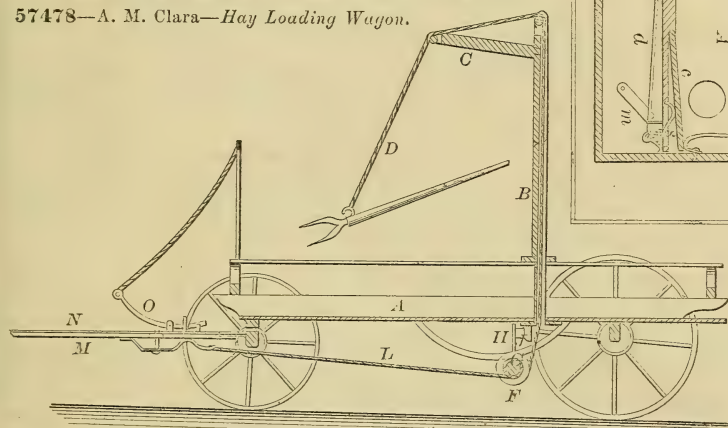
M. C. C. Church—Petroleum Tank.  
57479—



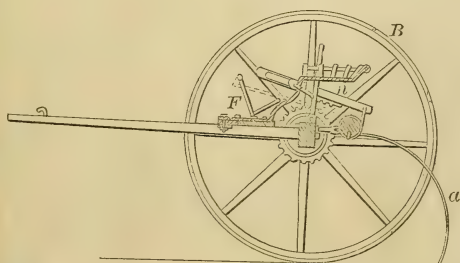
57480—D. Cole—Animal Trap.



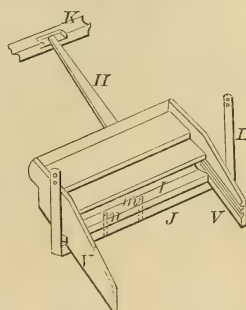
57478—A. M. Clara—Hay Loading Wagon.

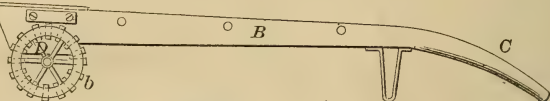
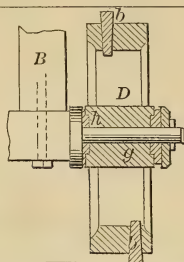
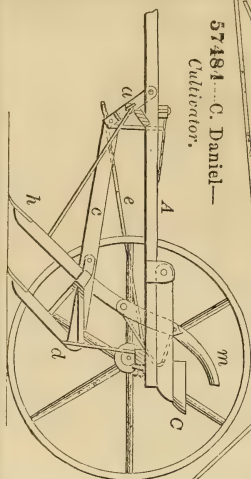
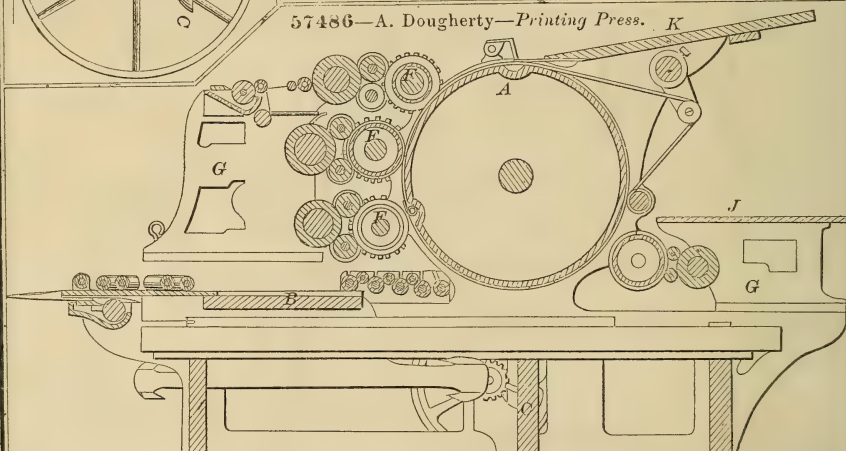
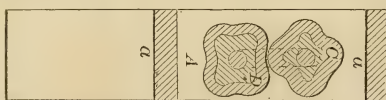
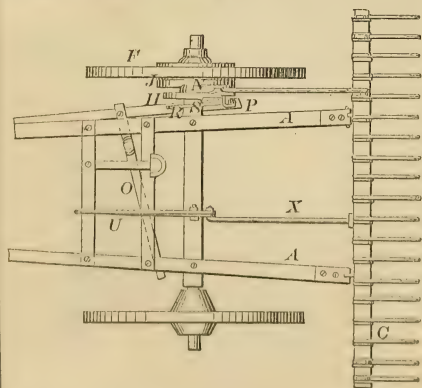
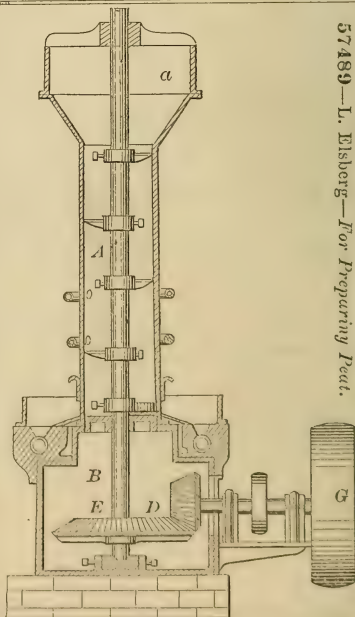


57482—Curtis & Roberts—Horse Rake.

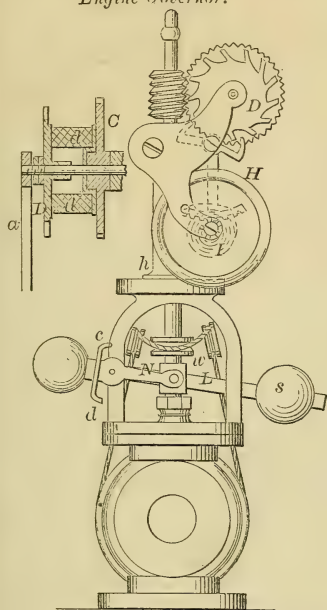


57483—H. W. Curtis—Fanning Mill.

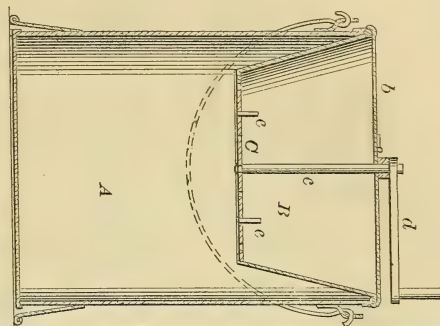


57487—S. R. Dummer—*Hand Truck.*57481—C. Daniel—*Cultivator.*57486—A. Dougherty—*Printing Press.* K57485—J. C. Dickey—*Clothes Wringer.*57488—Dunham & J. & A. Webb—*Horse Rake.*57489—L. Elsborg—*For Preparing Peat.*

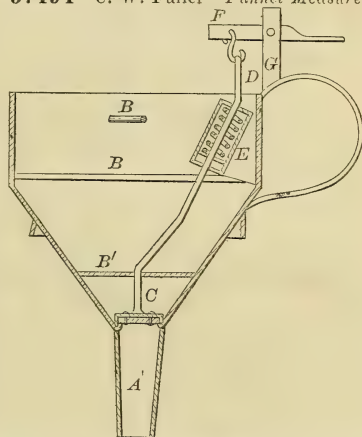
**57490**—R. Eickemeyer—*Steam Engine Governor.*



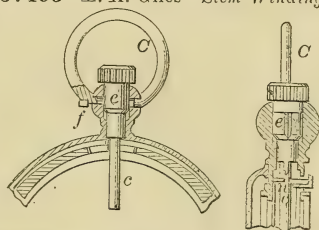
**57492**—W. R. Evans—*Coal and Ash Sifter.*



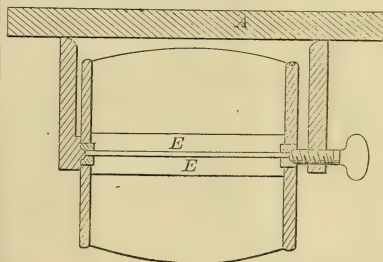
**57494**—C. W. Fuller—*Funnel Measure.*



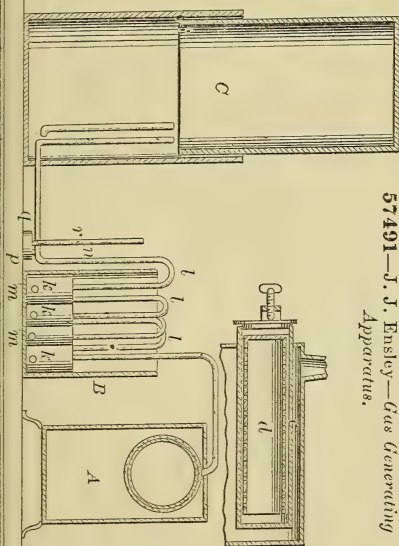
**57495**—E. A. Giles—*Stem Winding Watch.*



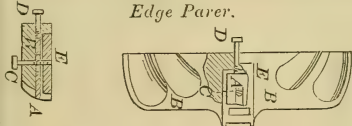
**57496**—G. P. Goodwin—*Twine Spool Stand.*



**57491**—J. J. Ensley—*Gas Generating Apparatus.*

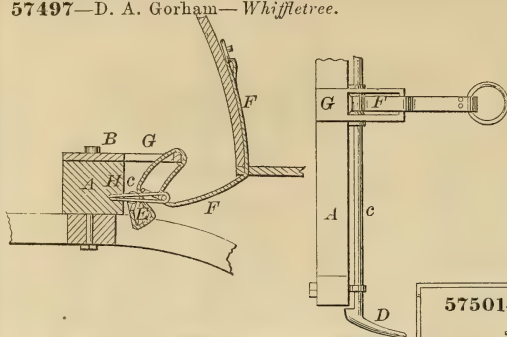


**57493**—W. Frederick—*Boot and Shoe Edge Paver.*

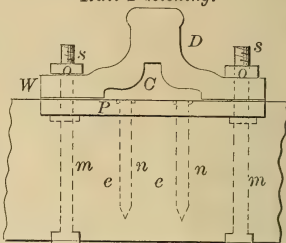




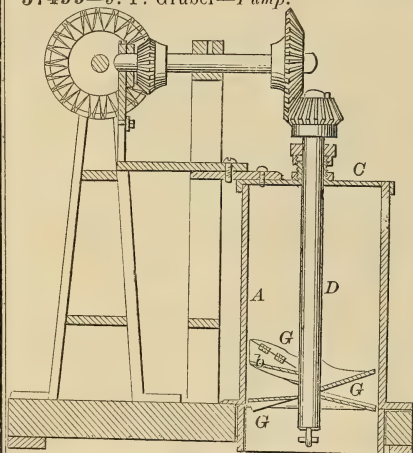
57497—D. A. Gorham—Whiffletree.



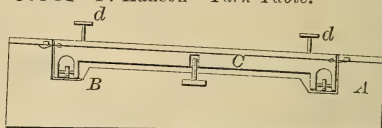
57498—E. B. Graff—Railroad Rail Fastening.



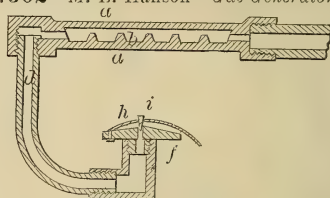
57499—J. P. Gruber—Pump.



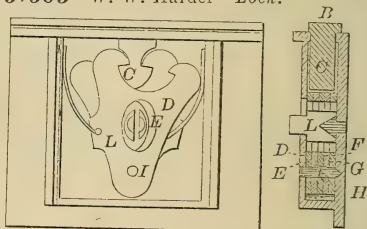
57501—F. Hanson—Turn Table.



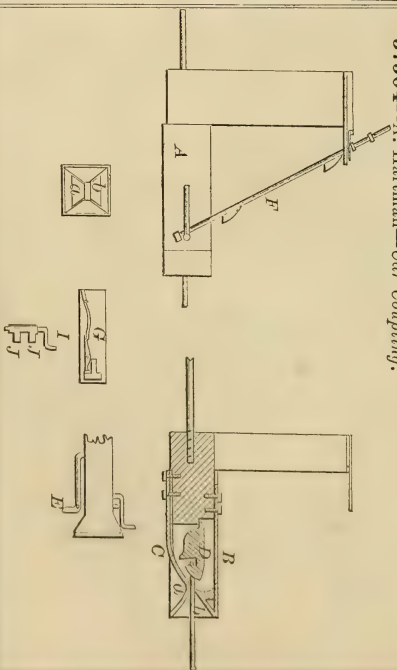
57502—M. E. Hanson—Gas Generator.



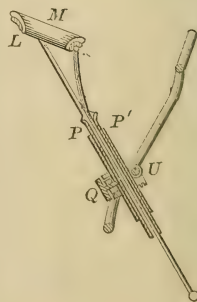
57503—W. W. Harder—Lock.



57504—A. Hartman—Car Coupling.



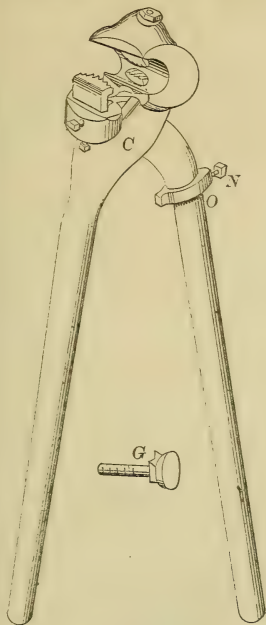
57505—Havens, Johnson &amp; Howe—Uterine Supporter.



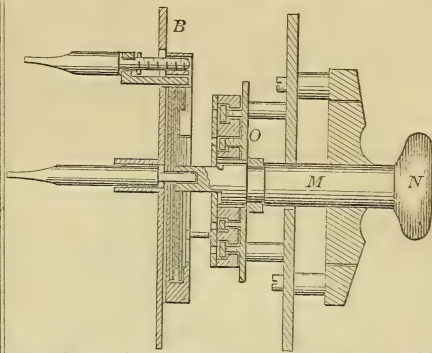
57500—Halsey &amp; Fitzgibbons—Sewing Machine.



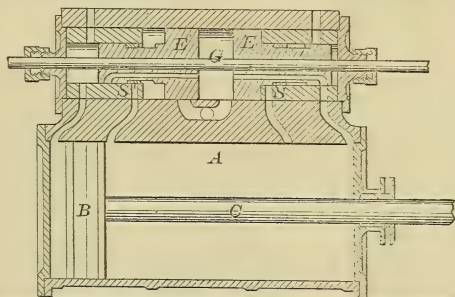
57506—H. Herbert—*Pipe Tongs.*



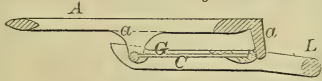
57508—E. R. Hopkins—*Lock.*



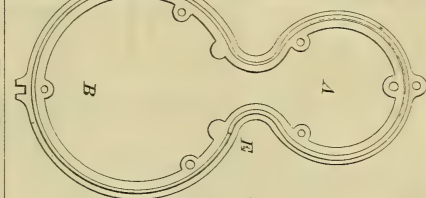
57509—G. W. & E. Hopkins—*Automatic Steam Valve.*



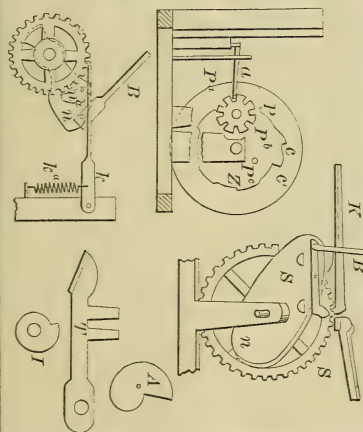
57507—H. Hise—*Tug Buckle.*



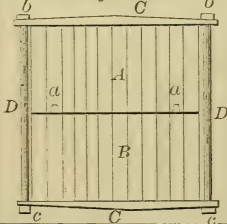
57511—H. B. Horton—*Clock Case.*



57510—H. B. Horton—*Calendar Clock.*



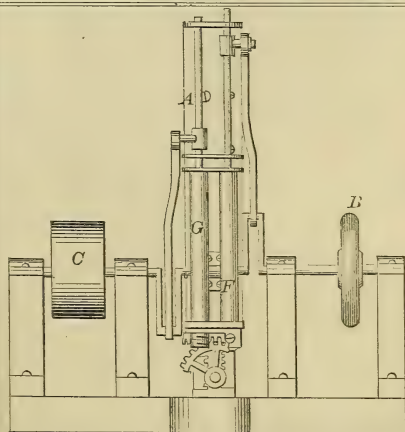
57513—R. C. Hussey—*Cutting Board.*



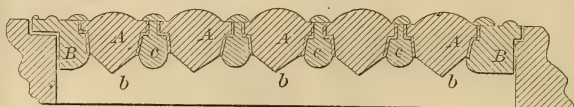
57514—C. F. Ingraham—*Sewing Machine Bobbin.*



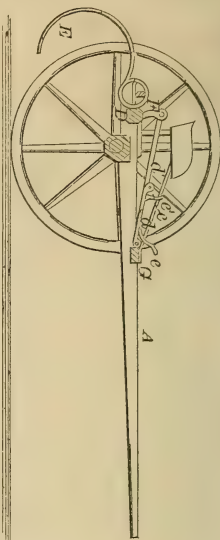
57512—H. Hubbell—*Hydraulic Engine.*



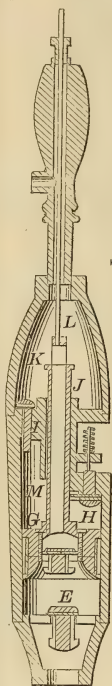
57515—G. H. Johnson—Vault Light.



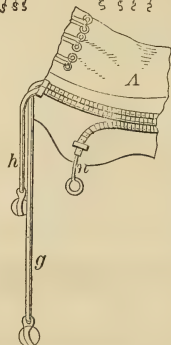
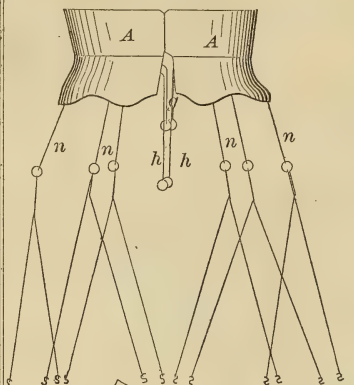
57520—C. Kugler—Horse Reule.



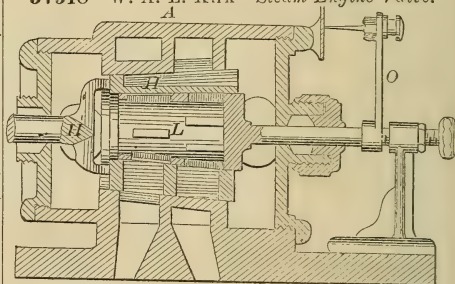
57516—N. Johnson—Pump.



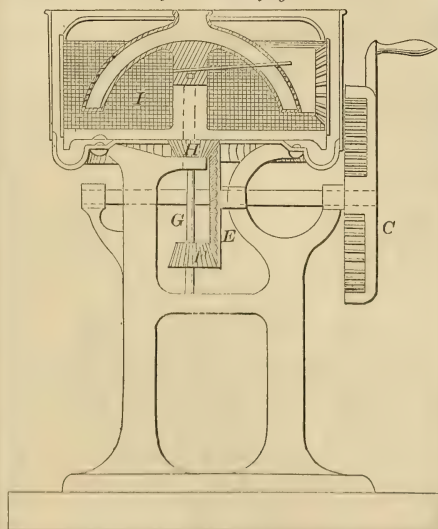
57519—Kannel &amp; Bollermann—Press Elevator.



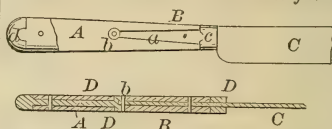
57518—W. A. L. Kirk—Steam Engine Valve.



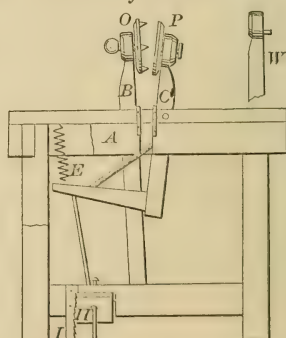
57517—J. O. Joyce—Centrifugal Machine.



57521—T. D. Larkin—Handle for Cutlery.

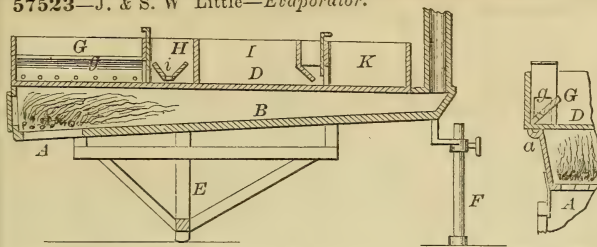


57522—J. D. Leach—For Holding the Heads of Casks.

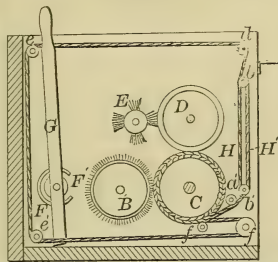




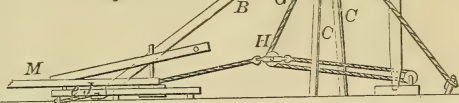
57523—J. & S. W. Little—*Evaporator.*



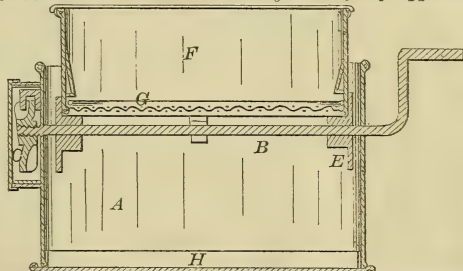
57527—J. K. Lowe—*Bronzing Machine.*



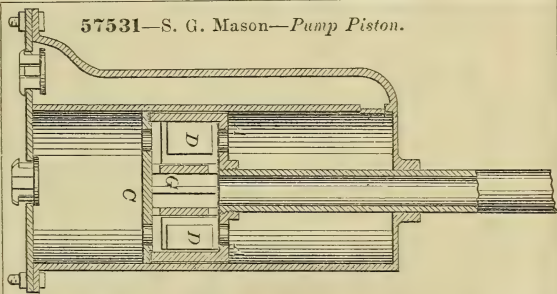
57525—W. Louden—*Hay Stacking Device.*



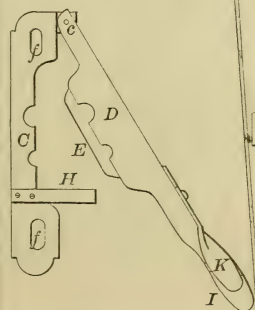
57529—S. C. Maine—*Screening and Sifting Apparatus.*



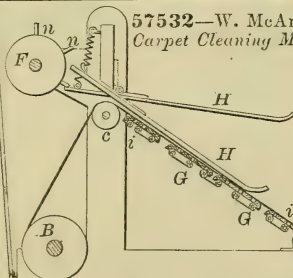
57531—S. G. Mason—*Pump Piston.*



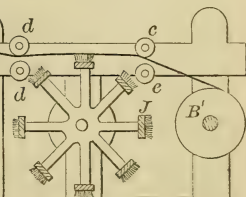
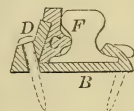
57524—H. O. Lothrop—*Applying Screw Mouth Pieces to Cans, &c.*



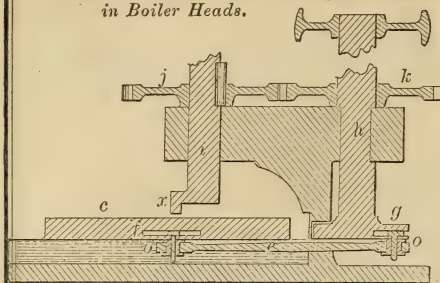
57532—W. McArthur—*Carpet Cleaning Machine.*



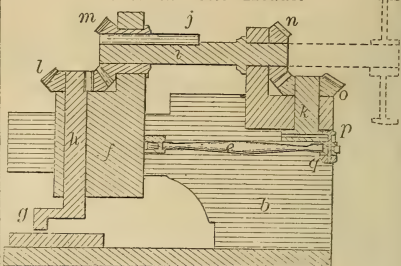
57530—W. M. Martin—*Railroad Wedge Rail.*



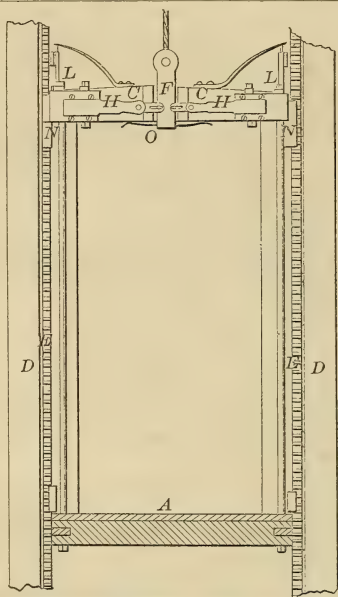
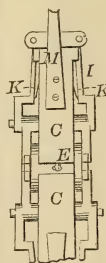
57533—J. McBride—For Cutting Oval Holes in Boiler Heads.



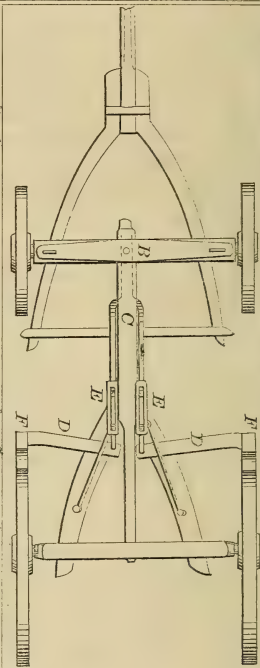
57534—J. McBride—For Cutting Oval Holes in Boiler Heads.



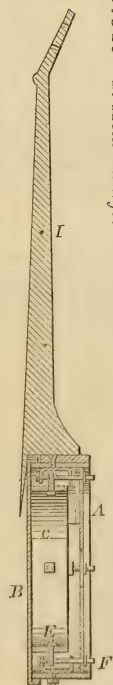
57535—J. McCauley—Hoisting Machine.



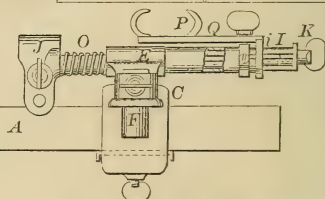
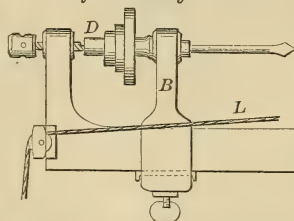
57538—J. S. McElmurry—Wagon Brake.



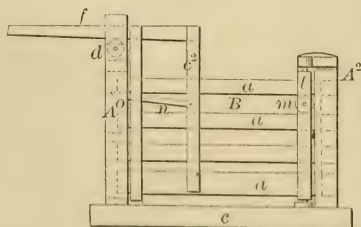
57540—G. Mein—Brazo.



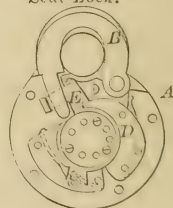
57536—J. McCrum—Drilling Attachment for Turning Lathes.



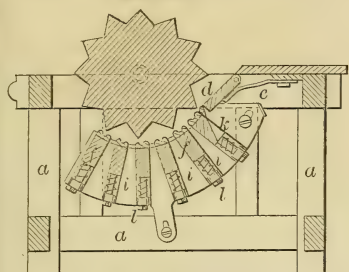
57537—D. McCurdy—Farm Gate.



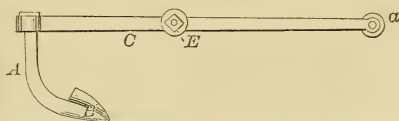
57539—W. McLean—Seal Lock.



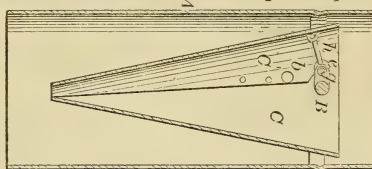
57541—J. H. Melick—*Threshing Machine.*



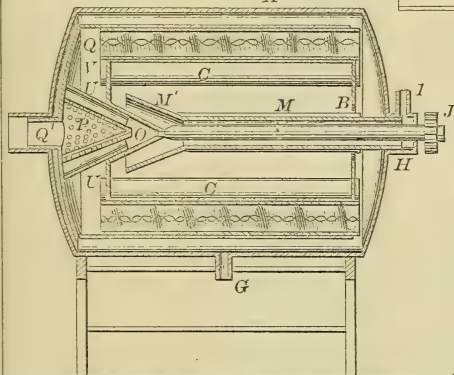
57542—E. Michaels—*For Splitting Bark upon Trees.*



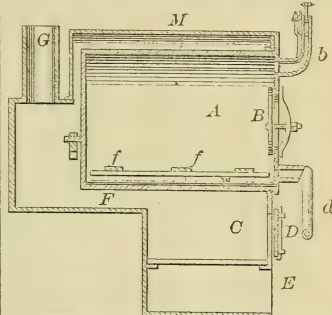
57544—R. S. Miller—*Stove Pipe Damper.*



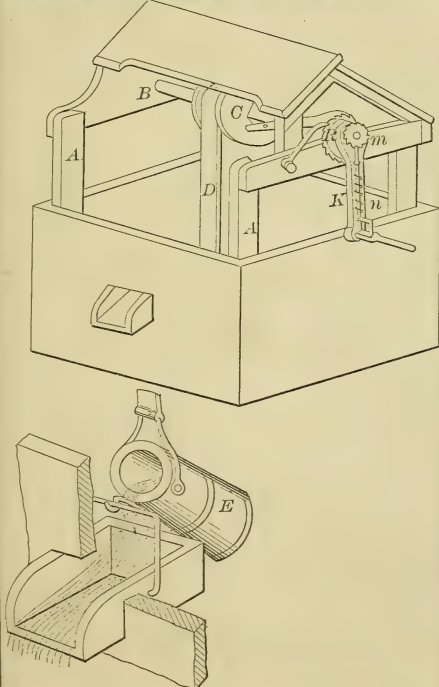
57543—P. Mihan—*For Carburetting Air.*



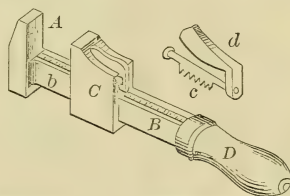
57545—W. K. Miller—*Burial Case.*



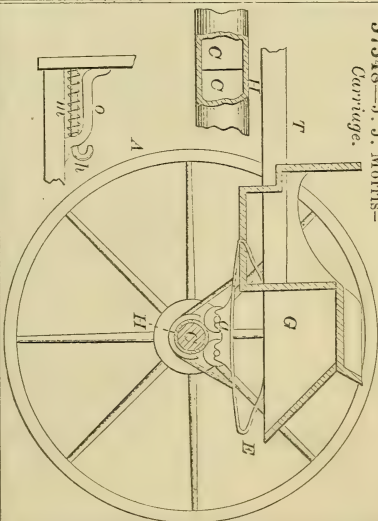
57546—J. E. Moeller—*Water Elevator.*



57547—I. & C. M. Morris—*Wrench.*

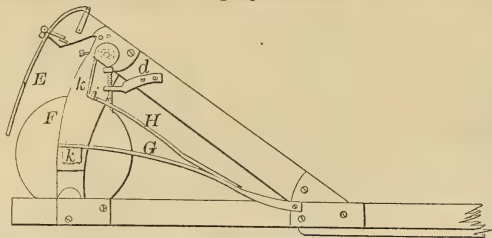


57548—J. J. Morris—*Carriage.*

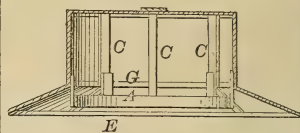




57549—R. Morris—Reaping Machine.



57554—W. S. Nelson—Hat.



57550—Munger &amp; Jones—Dry Dock.

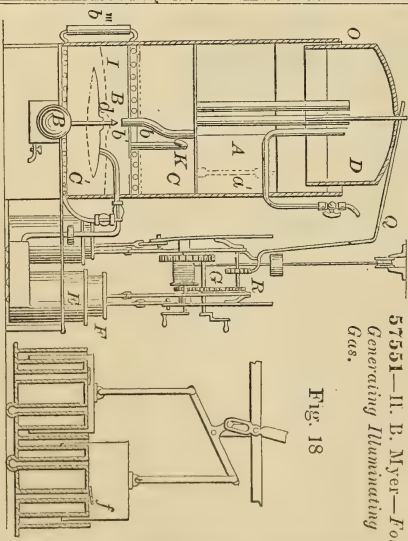
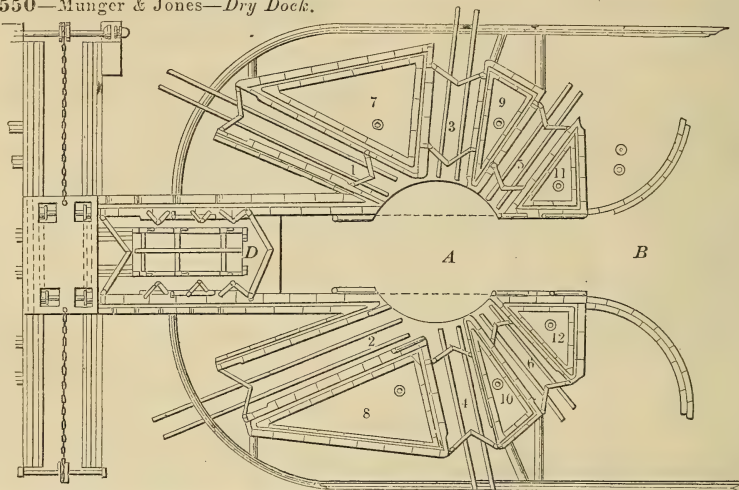
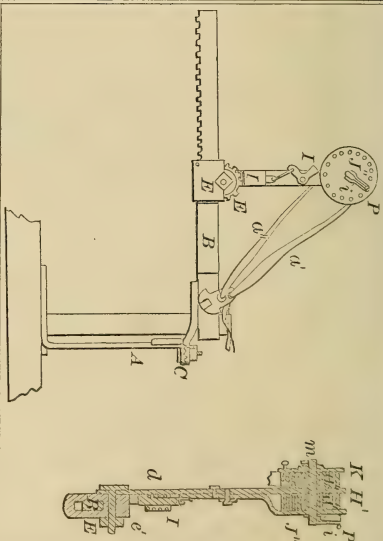
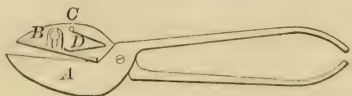
57551—H. B. Myer—For  
Generating Illuminating  
Gas.

Fig. 18

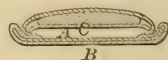


57552—W. Needham—Harvester.

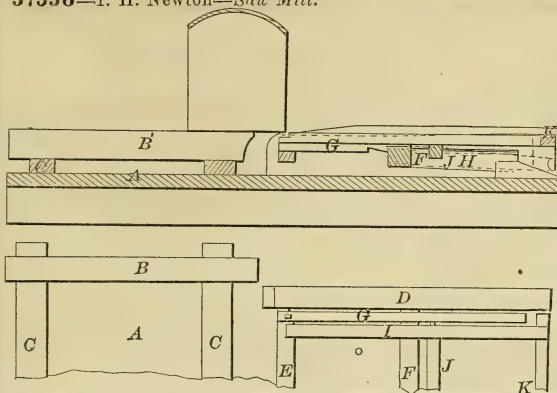
57553—J. Neff, Jr.—Fruit Picker.



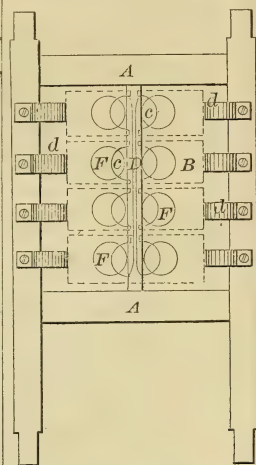
57555—N. C. Newell—Covered Button.



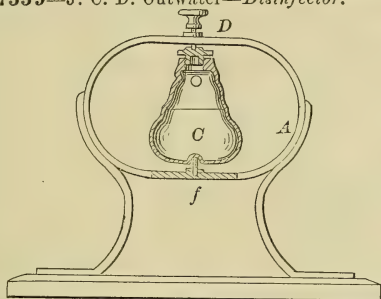
57556—I. H. Newton—*Saw Mill.*



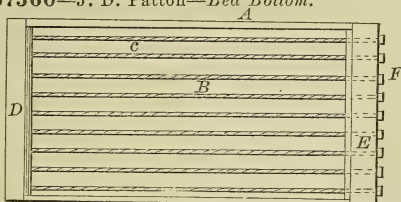
57557—D. H. Nichols—*Sorghum Stripper.*



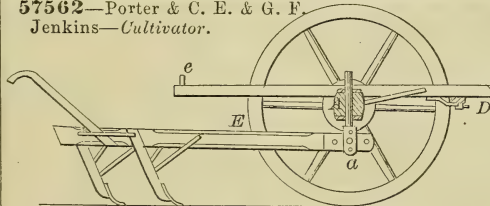
57559—J. C. D. Outwater—*Disinfector.*



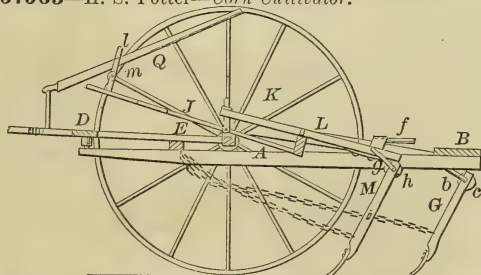
57560—J. D. Patton—*Bed Bottom.*



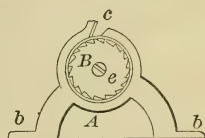
57562—Porter & C. E. & G. F. Jenkins—*Cultivator.*



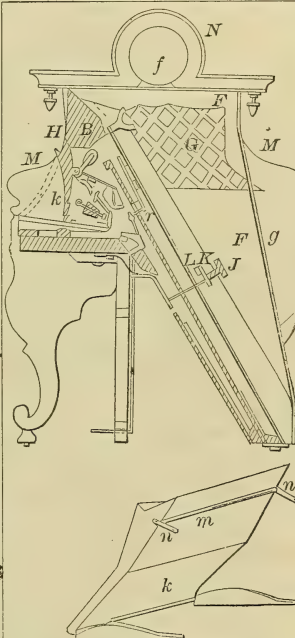
57563—H. S. Potter—*Corn Cultivator.*

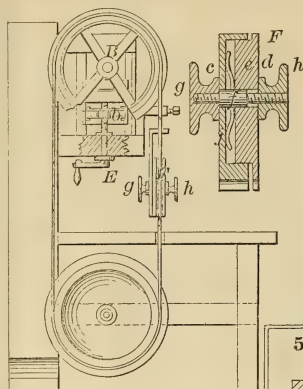
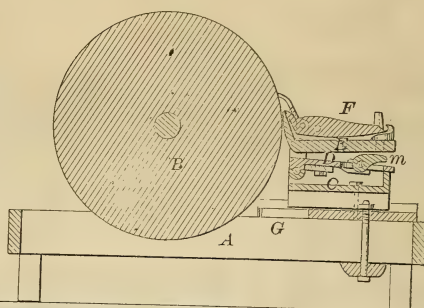
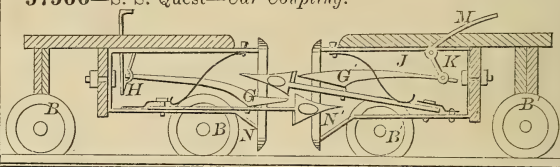
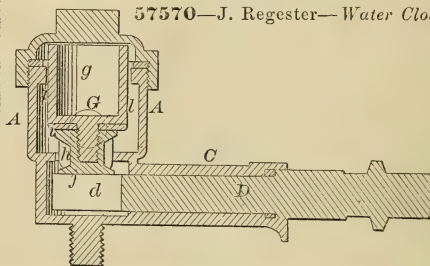
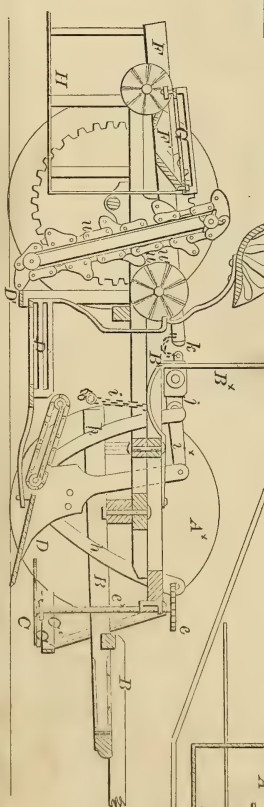
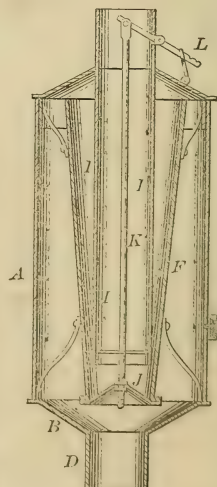
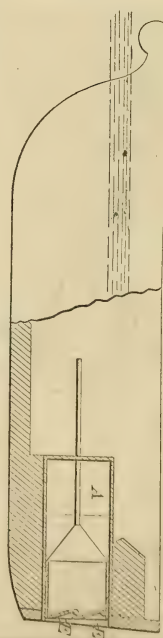


57564—Prosser & Lawson—*Knife and Scissors Sharpener.*



57558—J. W. Otto—*Piano.*

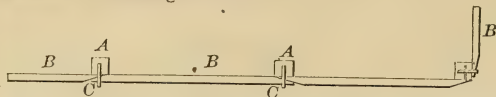
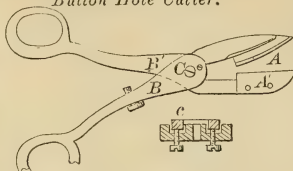
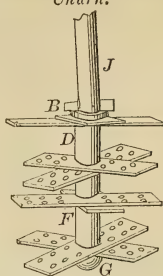
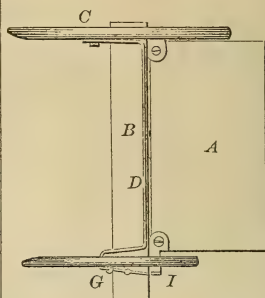
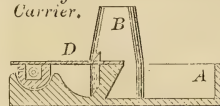
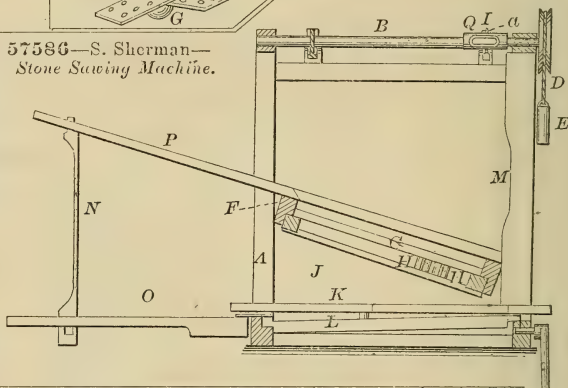


57565—P. Prybril—*Saw Mill.*57571—N. B. Reynolds—*Tool Grinding Machine.*57566—S. S. Quest—*Car Coupling.*57570—J. Regester—*Water Closet Valve.*57568—G. Ray—*Potato Digger.*57572—Ruth & De Long—*Stove Pipe Drum*57569—E. Raynald—*Canal Boat Propeller.*

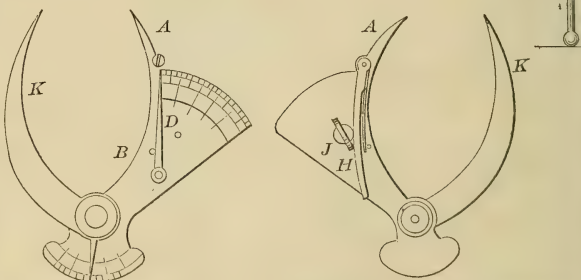




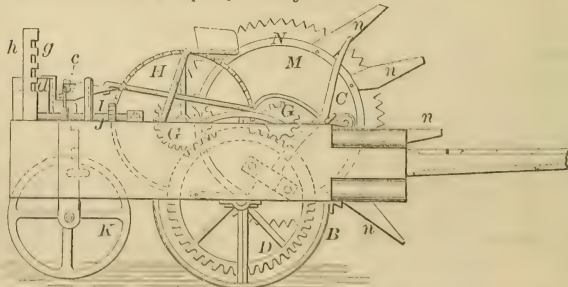
57581—C. Seabaugh—Fence.

57584—Seymour & Barnard—  
Button Hole Cutter.57582—O. W. Seely—  
Churn.57583—J. F. Seiberling—  
Harvester.57585—J. Shellenberger—  
Sewing Machine Shuttle  
Carrier.57586—S. Sherman—  
Stone Sawing Machine.

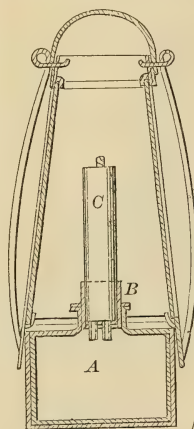
57588—P. Soper—Calipers.



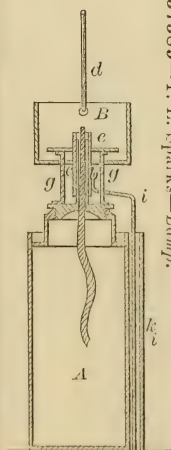
57590—W. &amp; H. Sperry—Hedge Trimmer.



57587—A. G. Smith—Lamp.



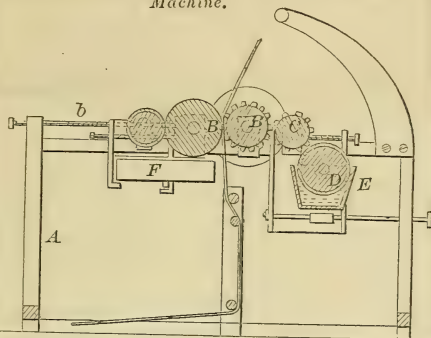
57589—T. E. Sparks—Lamp.



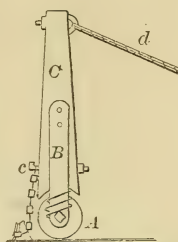
57591—C. E. Staples—Sewing Work Holder and Scissors Sharpener.



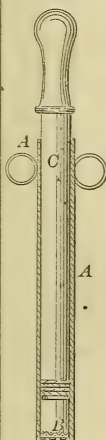
57592—Stephens & Green—Yarn Printing Machine.



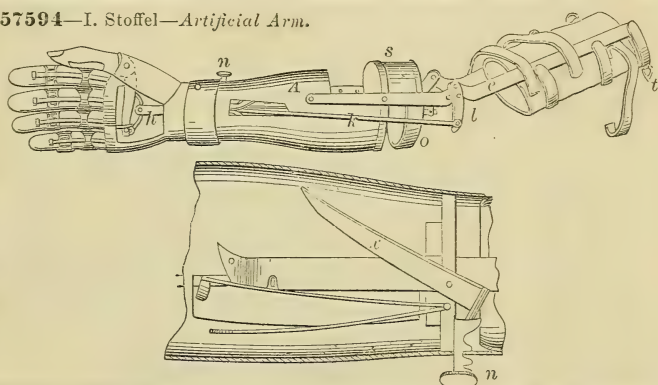
57593—W. W. St. John—Grubbing Machine.



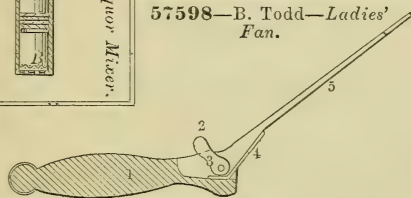
57596—E. C. Strange—Egg Beater and Liquor Mixer.



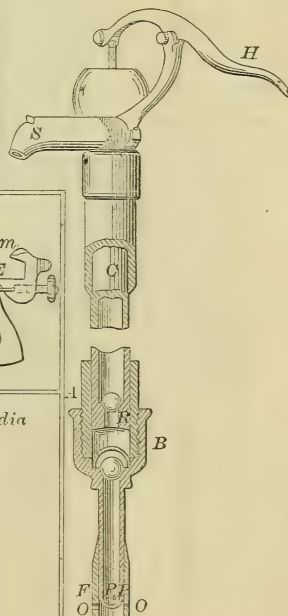
57594—I. Stoffel—Artificial Arm.



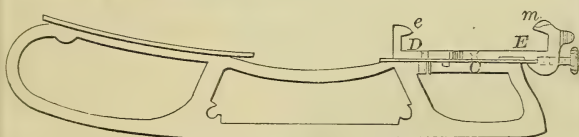
57598—B. Todd—Ladies' Fan.



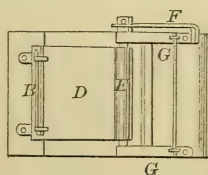
57595—R. E. Strait—Pump.



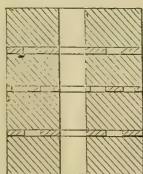
57597—W. A. Sutton—Skate.



57599—R. Van Horn—Expanding Cheese Hoops.



57600—R. Vose—India Rubber Car Spring.





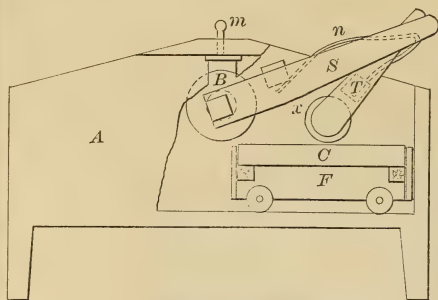
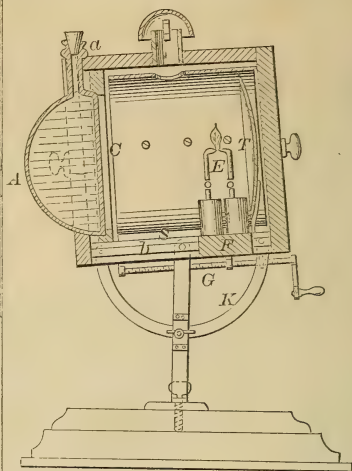
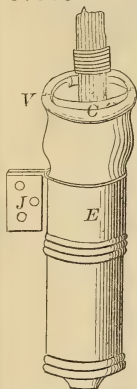
57601—D. T. Ward—*Washing Machine.*57602—O. Warden—*Fluid Lens.*57603—T. Weaver—*Whip Socket.*

Fig. 2.



Fig. 3.



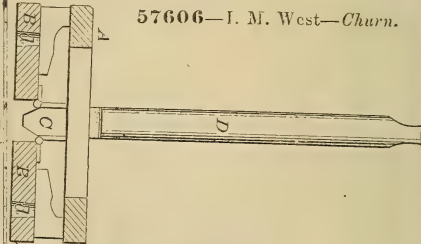
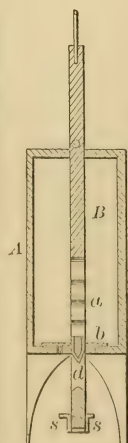
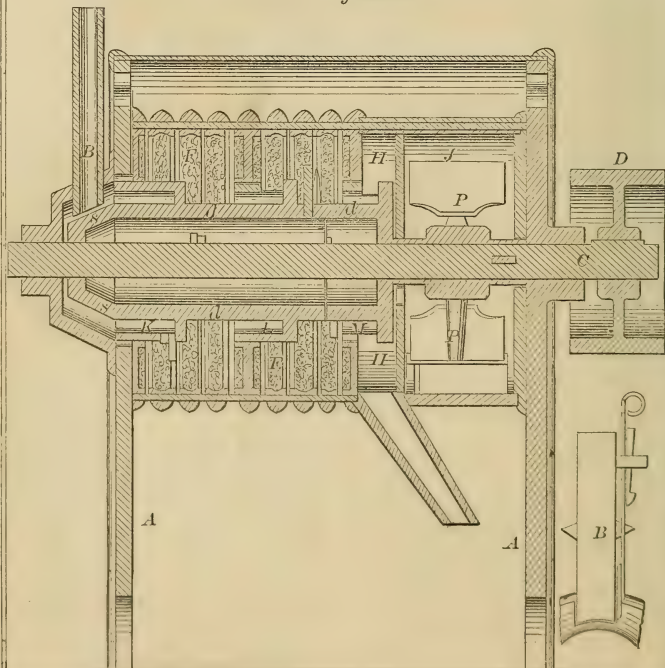
Fig. 5.



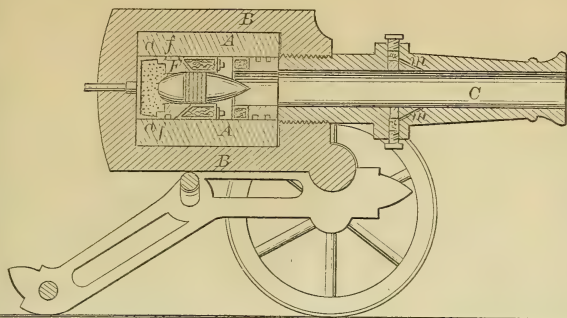
Fig. 6.



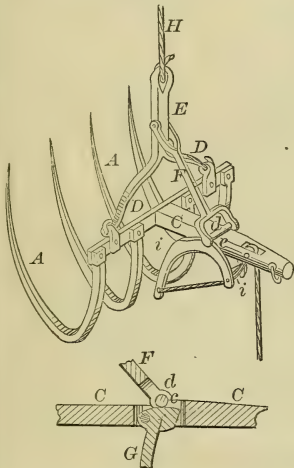
Fig. 7.

57606—I. M. West—*Churn.*57604—M. D., C. E. & A. Wells—*Seed Distributor.*57605—J. A. Welsh—*Grain Hulling Machine.*

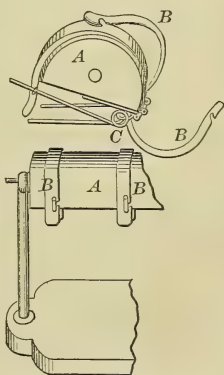
57607—R. White—Fire Arm.



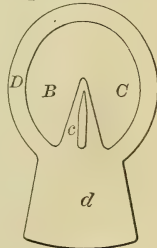
57609—F. Wicks—Horse Hay Fork.



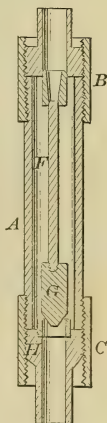
57615—S. Yates—Eaves Trough.



57611—A. S. Wilkinson—Stopping for Horse Feet.



57613—J. Wilson—Steam Trap.



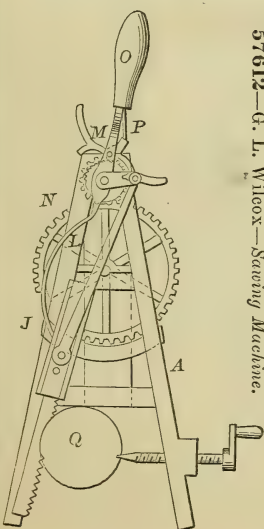
57610—Wicks & Fowler—Tackle Block for Hay Elevators.



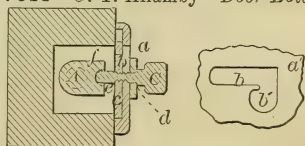
57614—C. Winegar—Excavating Machine.



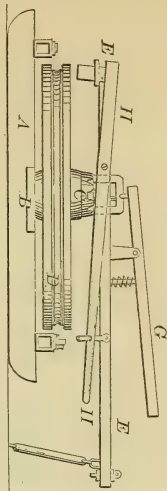
57612—G. L. Wilcox—Sowing Machine.

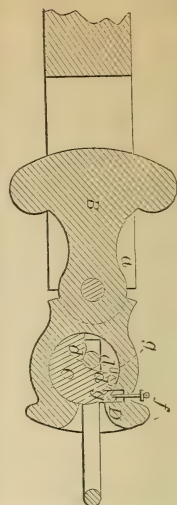
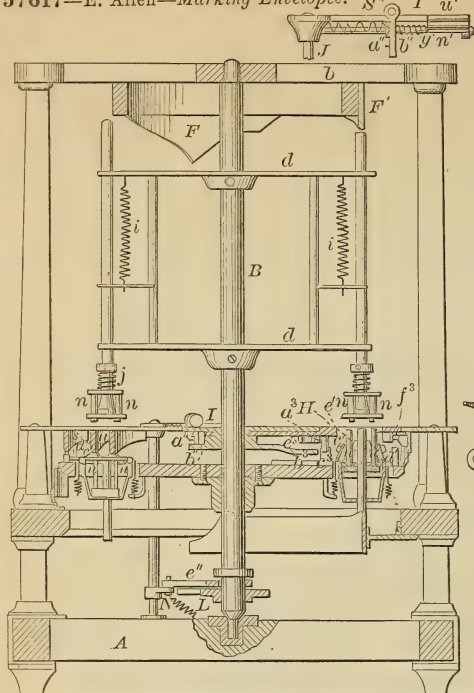


57616—G. T. Allamby—Door Bolt.



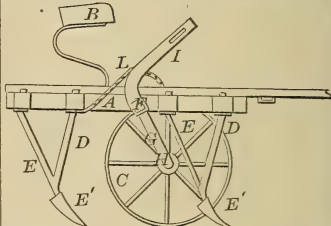
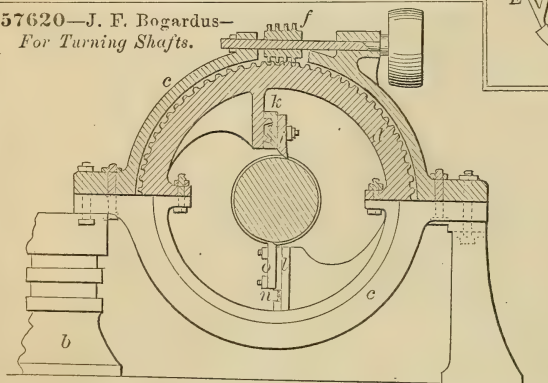
57608—F. Wicks—Horse Power for Elevating Hay, &c.



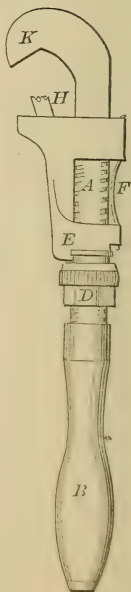
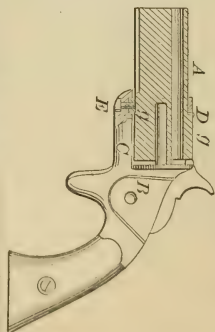
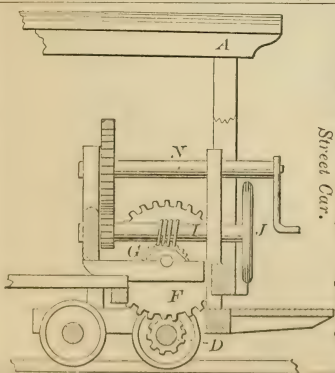
57617—E. Allen—Marking Envelopes. *S'' I u'*

57618—C. W. Baldwin—Car Coupling.

57619—J. Bergen—Cultivator.

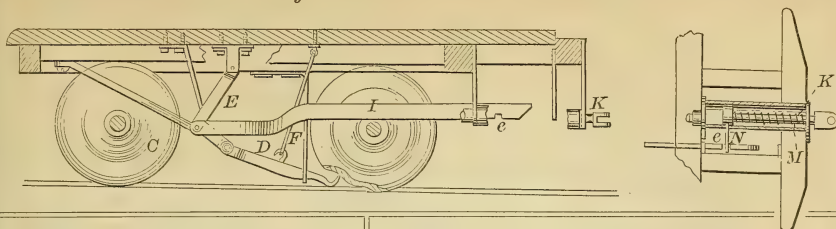
57620—J. F. Bogardus—  
For Turning Shafts.

57621—A. Call—Pipe Wrench.

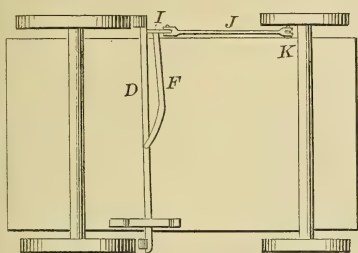
57622—Converse & Hopkins—  
Revolving Fire Arm.57623—J. W. Conway—Propelling  
Street Car.



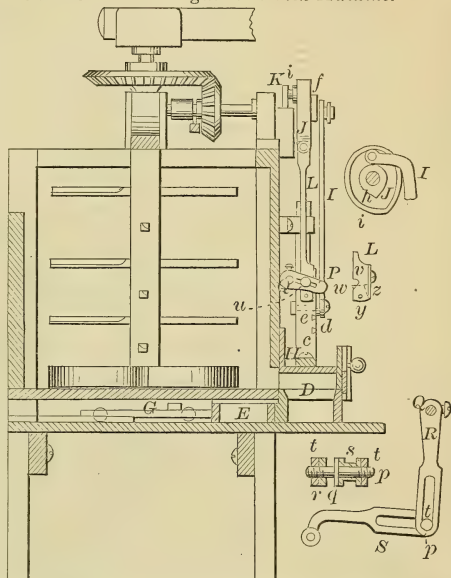
57624—H. H. Covert—Starting Cars.



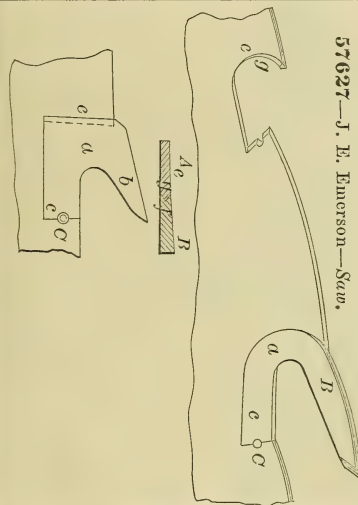
57625—G. W. Crowe—Brake.



57628—H. J. Ferguson—Brick Machine.



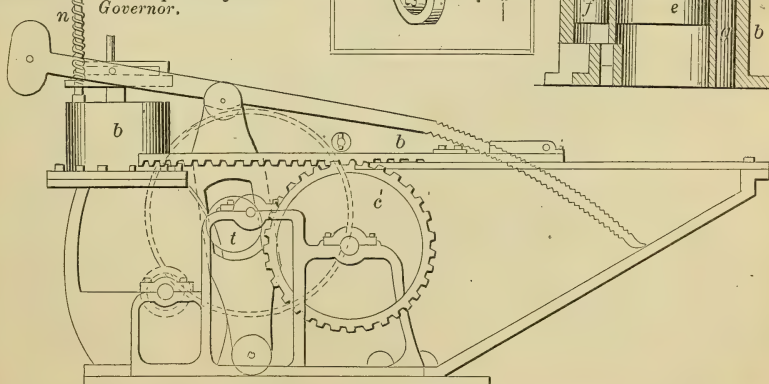
57627—J. E. Emerson—Saw.

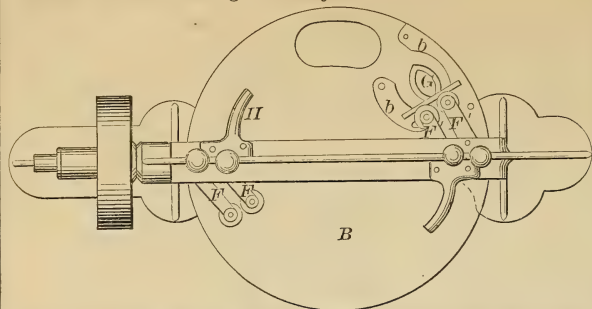
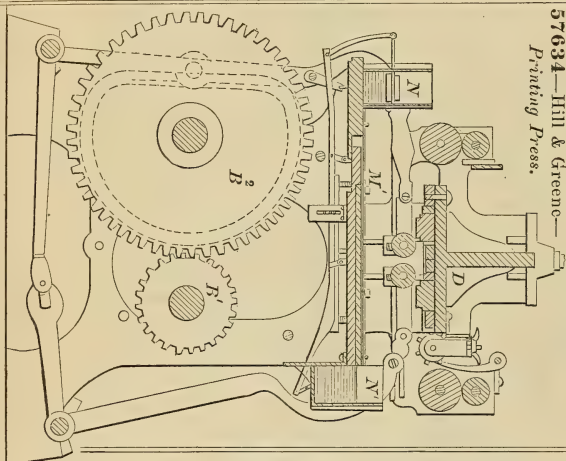
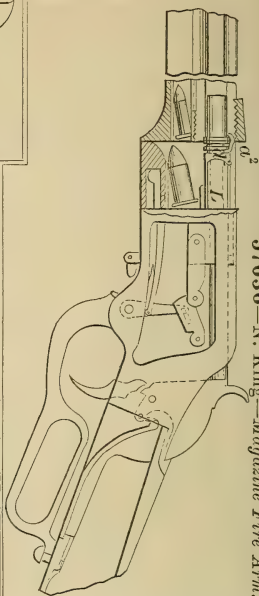
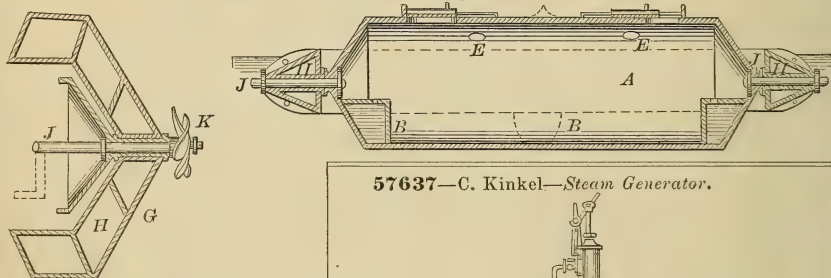
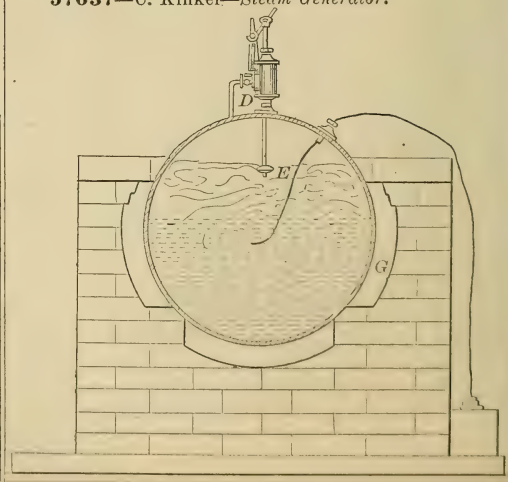
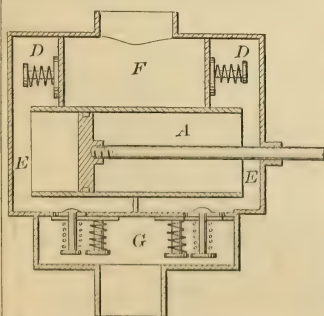


57629—H. Foulkes—  
Brest Strap Hook.

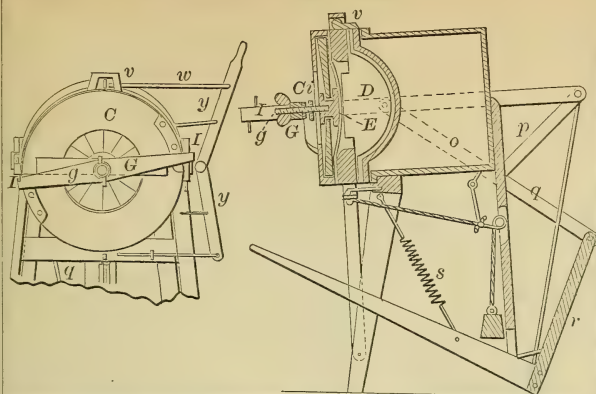


57630—J. E. Gillespie—Hydraulic Governor.

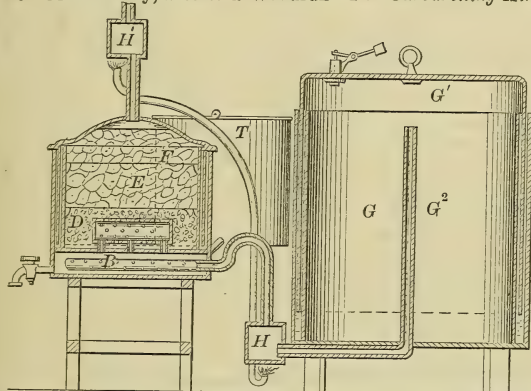


57631—W. F. Goulding—*Bending Horse Shoes.*57632—H. C. Griggs—*Buckle.*57634—Hill & Greene—*Printing Press.*57636—N. King—*Magazine Fire Arm.*57633—H. Hensel—*Life Boat.*57637—C. Kinkel—*Steam Generator.*57635—E. B. Juckett—*Pump.*

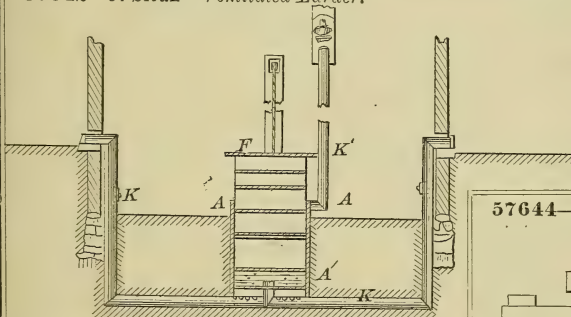
57638—M. Morse—*Hat Pressing Machine*



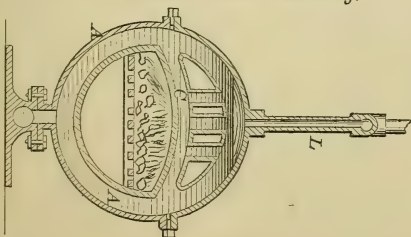
57639—Rowley, Sloane & Woodruff—*For Carburetting Air.*



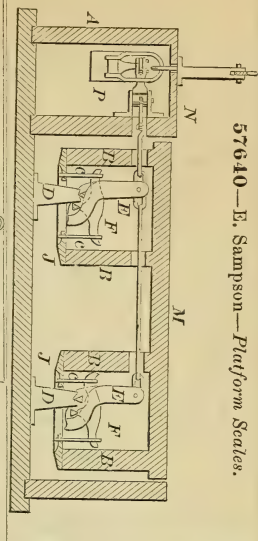
57642—J. Sloan—*Ventilated Larder.*



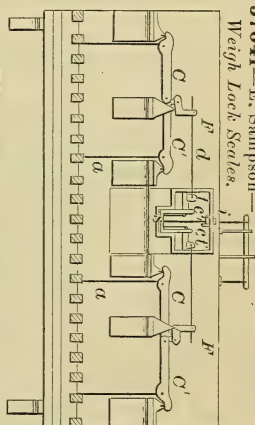
57643—S. A. Smith—*Steam Generating.*



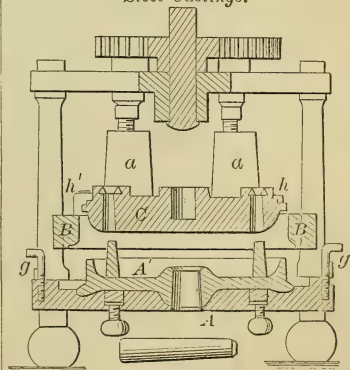
57640—E. Sampson—*Platform Scales.*



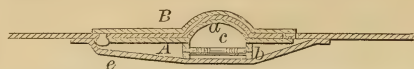
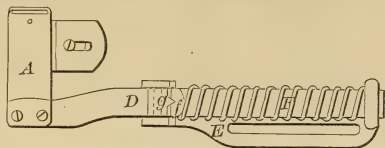
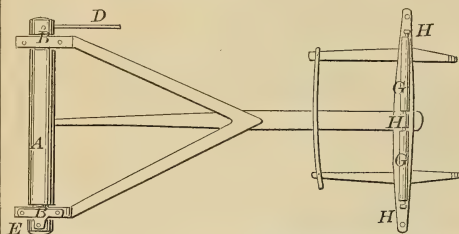
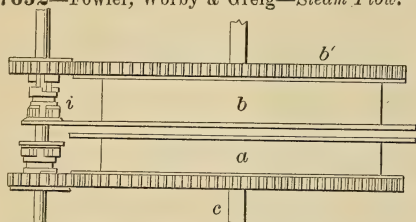
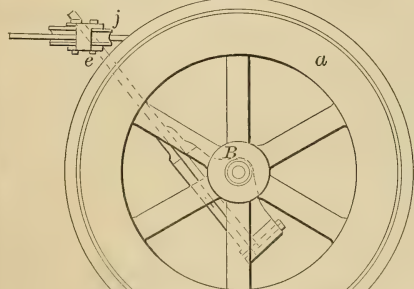
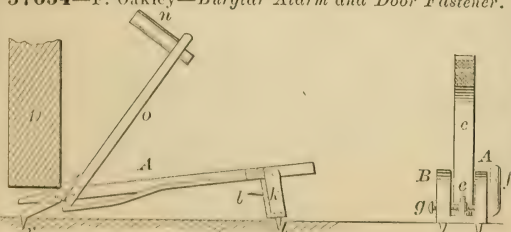
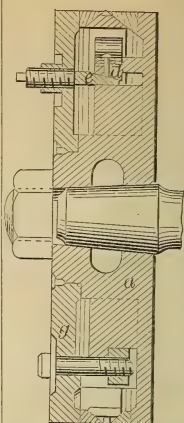
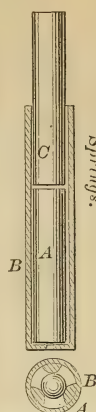
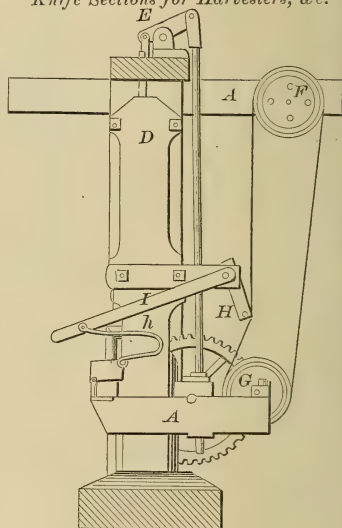
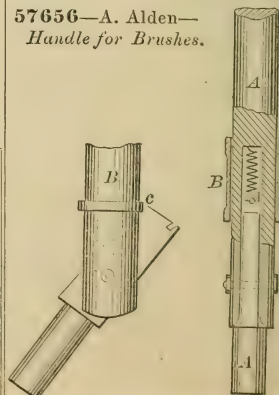
57641—E. Sampson—*Weigh Lock Scales.*



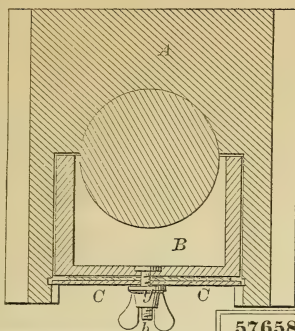
57644—J. B. Tarr—*For making Cast Steel Castings.*



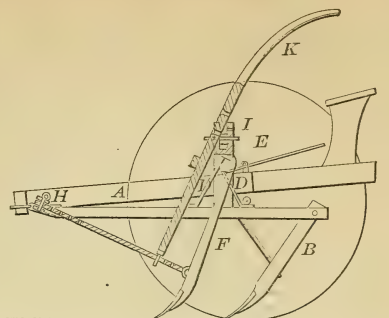


57645—T. W. Terry—*Safety Watch Pocket.*57646—G. L. White—*Temple for Looms.*57650—C. F. Hall—*Lumber Wagon.*57652—Fowler, Worby & Greig—*Steam Plow.*57653—Fowler & Eddison, [Executors of J. Fowler, Jr.,] Greig & Noddings—*Steam Plow.*57654—F. Oakley—*Burglar Alarm and Door Fastener.*57647—J. W. Wilder—*Operating India Rubber Springs.*57648—Bower & Qualter—*Steam Engine Piston.*57655—A. R. Reynolds—*Tempering Knife Sections for Harvesters, &c.*57656—A. Alden—*Handle for Brushes.*

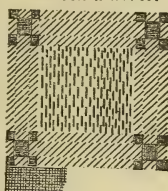
57657—S. F. Allen—*Axle Box.*



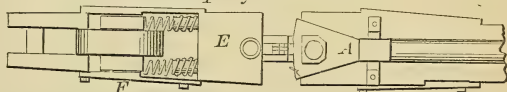
57660—J. H. Barley—*Cultivator.*



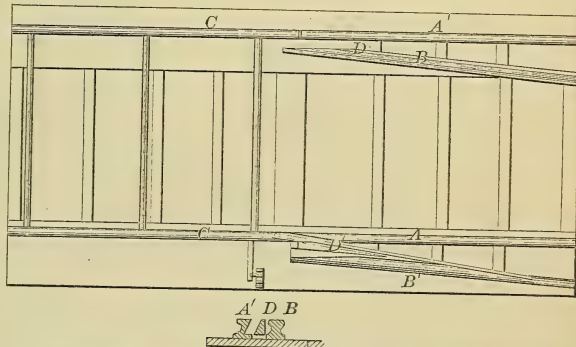
57659—S. W. Baker—*Woven Fabric.*



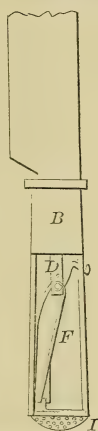
57658—J. Bailer—*Car Coupling.*



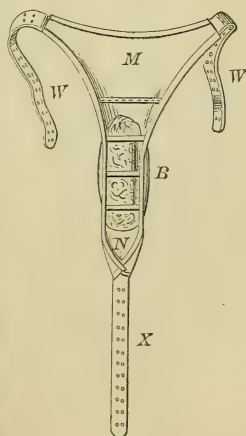
57661—C. J. Bayer—*Railway Switch.*



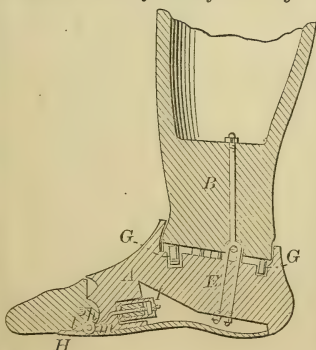
57662—Beach & Klauke—*Knife and Fork.*



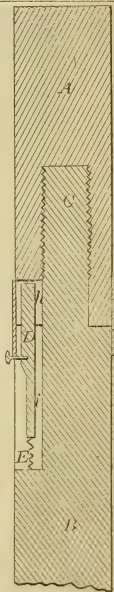
57665—J. C Benzinger—*Cutaneous Sack.*



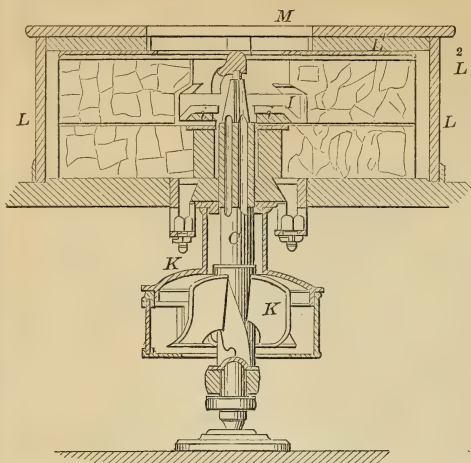
57666—D. Bly—*Artificial Leg.*



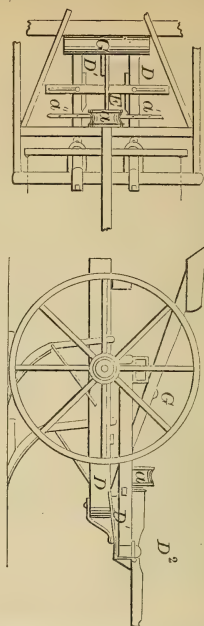
57664—L. H. Bell—*Coupling Joint for Well Boring Shafts.*



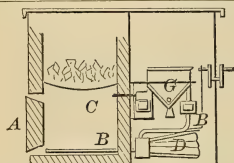
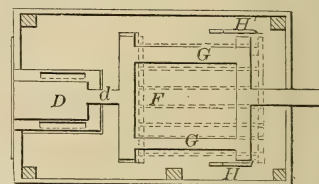
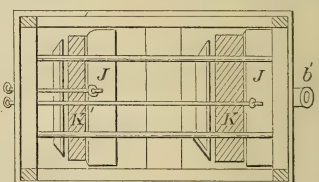
57667—C. Bollinger—Graining Mill.



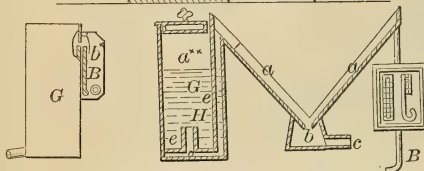
57668—J. W. Boosinger—Cultivator.



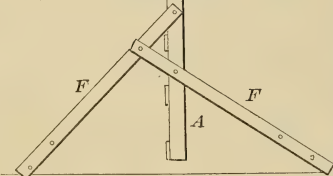
57669—J. K. Boswell—Dry House.



57670—J. A. Boyer—Refrigerator Building.



57672—G. S. Carlisle—Portable Fence.



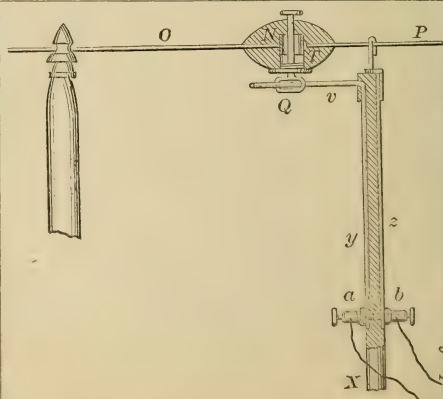
57674—J. Chandler—Well Tube.



57671—A. N. Brush—Organ Reed.

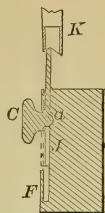


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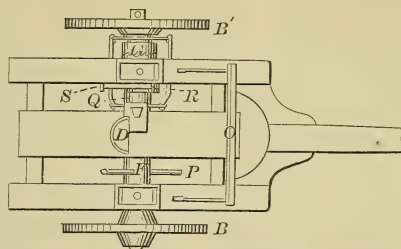
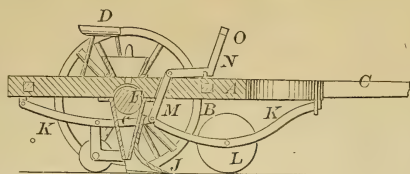




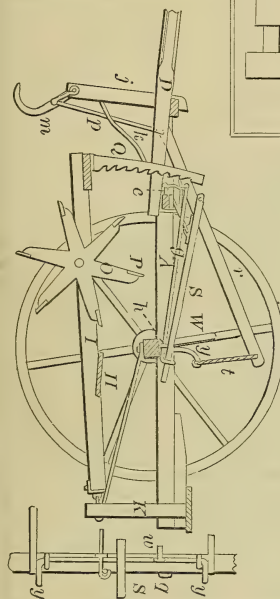
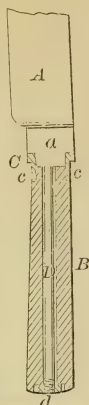
**57675**—G. L. Chapin—*Venetian Shutters.*



**57676**—B. Clark—*Corn Planter.*

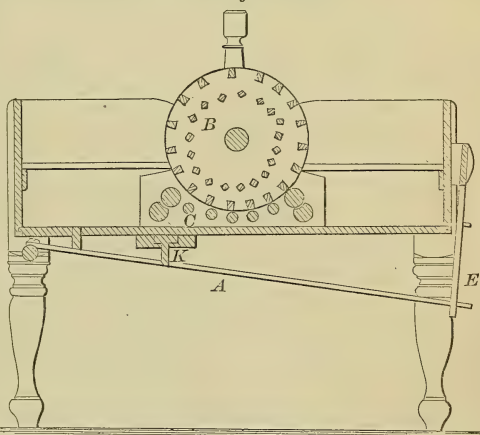


**57677**—W. Clayton—*Attaching Knives to Handles.*

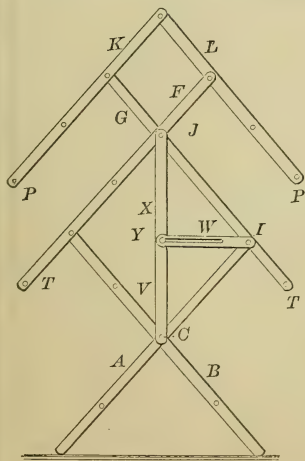


**57678**—G. W. Cole—*Cutting Stakes in the Field.*

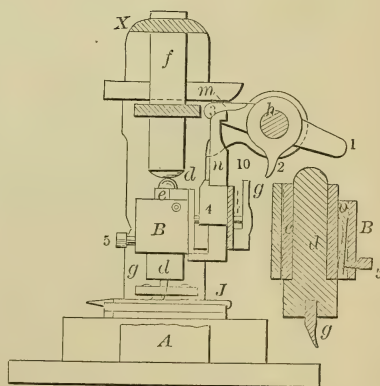
**57679**—T. Cole—*Washing Machine.*



**57681**—I. C. Connor—*Clothes Dryer.*

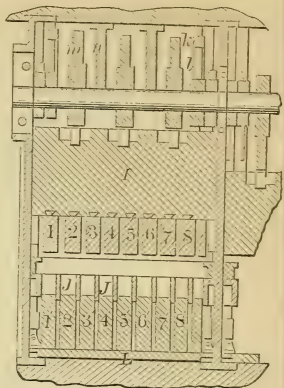
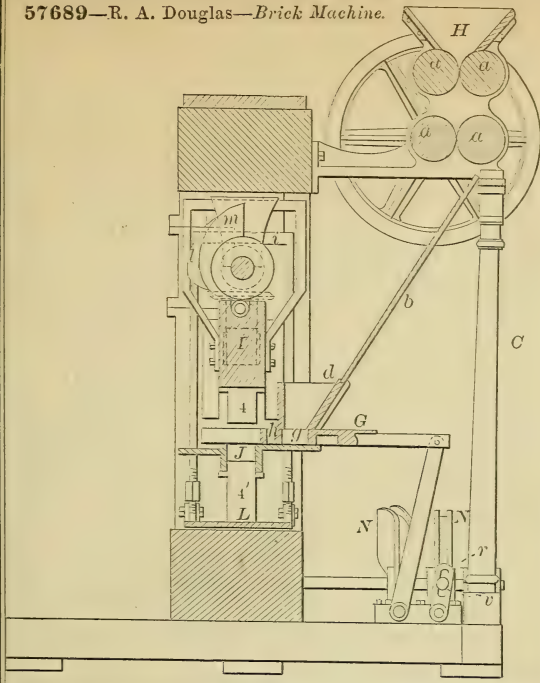


**57680**—H. B. Comer—*File Cutting Machine.*

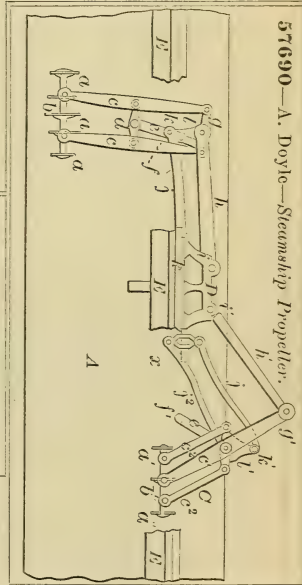




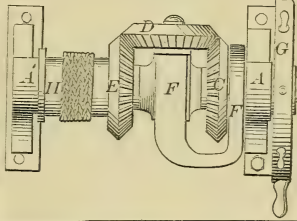
57689—R. A. Douglas—Brick Machine.



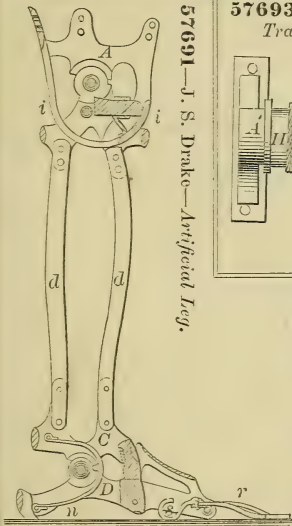
57690—A. Doyle—Steamship Propeller.



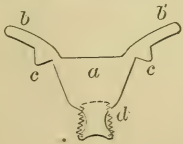
57693—T. C. Entwisle—For Transmitting Motion.



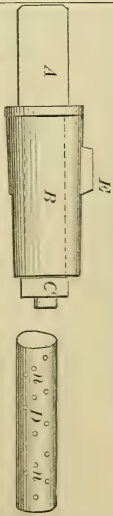
57691—J. S. Drake—Artificial Leg.



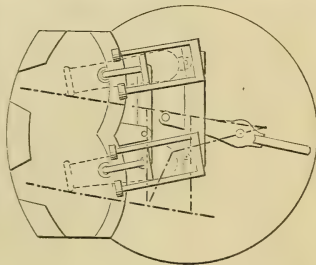
57694—J. A. Eshleman—Neck Tie Supporter.



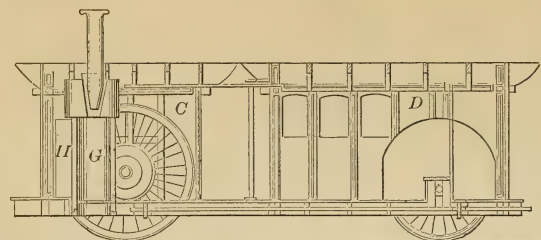
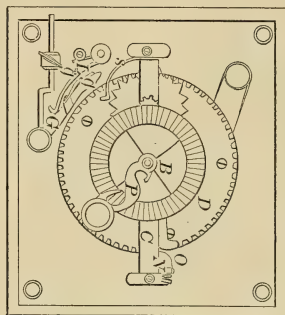
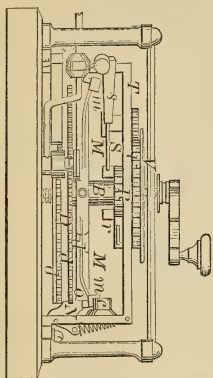
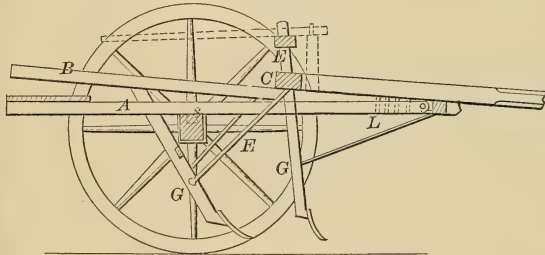
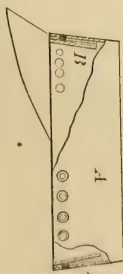
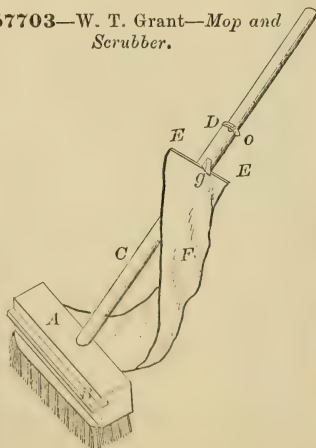
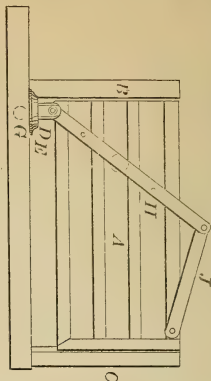
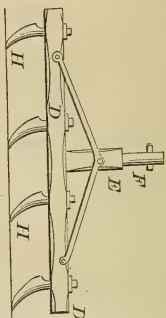
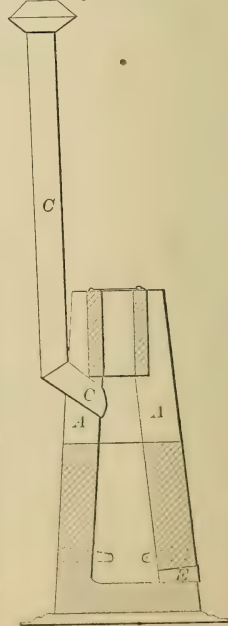
57695—S. H. Everett—Lubricating Brush.



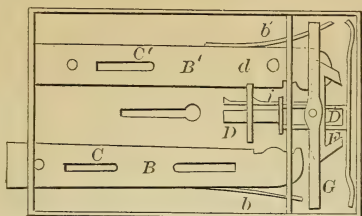
57692—J. B. Pads—Operating Ordnance.



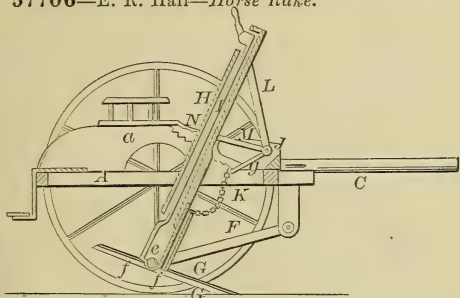


57696—M. Fletcher—*Steam Carriage.*57697—S. Gardiner—*Turning on Gas by Electricity.*57700—G. T. Gifford—*Cultivator.*57702—S. Goldstone—*Cup.*57703—W. T. Grant—*Mop and Scrubber.*57698—F. Gay—*Farm Gate.*57699—W. Geahr—*Cultivator.*57701—J. L. Gill—*Smelting Furnace.*

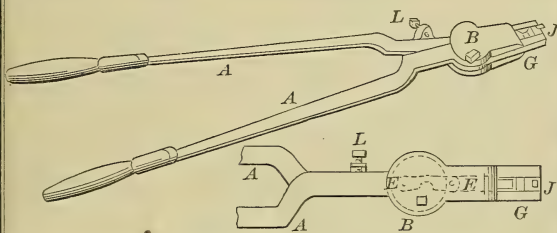
57704—J. T. Guthrie—Lock.



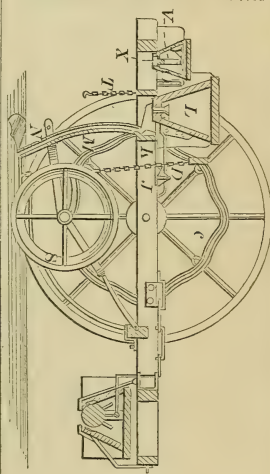
57706—E. R. Hall—Horse Rake.



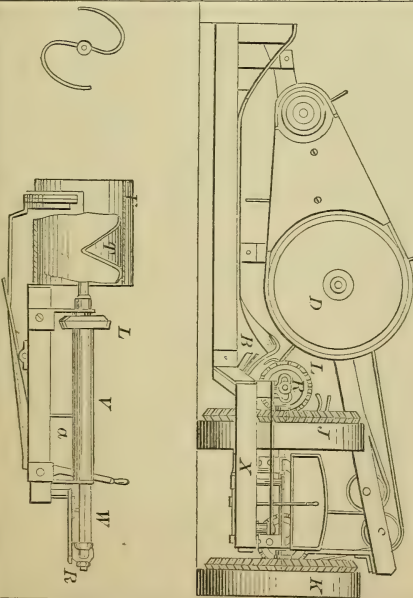
57705—J. Guthrie—Bolt Cutting Shears.



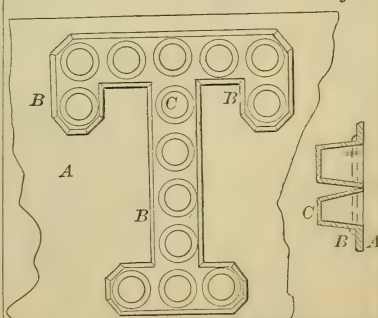
57707—G. W. Hall—Combined Sower and Drill.



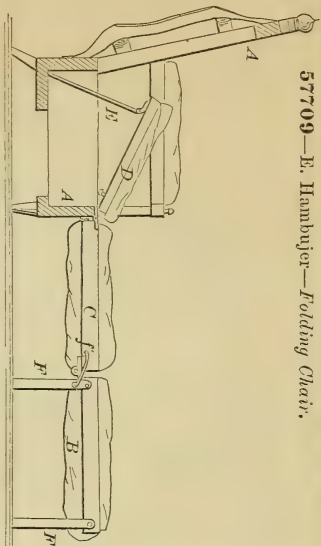
57710—H. Harrier—Grain Binder.



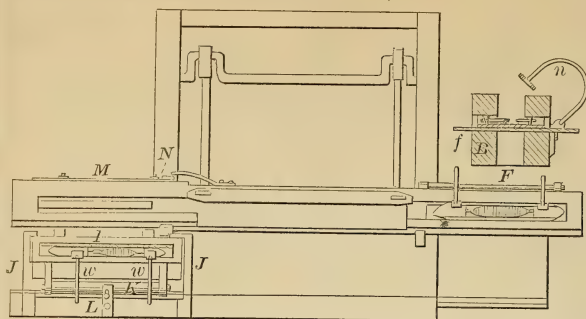
57711—J. Harrison—Illuminated Sign.



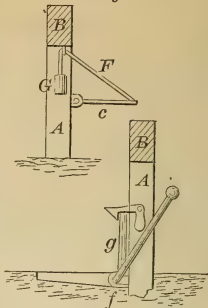
57709—E. Hambyer—Folding Chair.



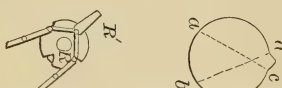
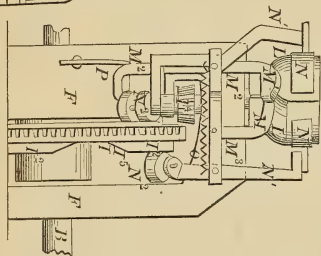
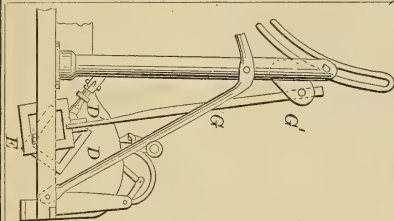
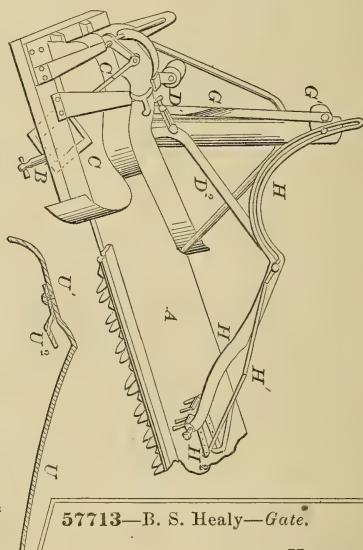
57712—P. W. Hart—Power Loom.



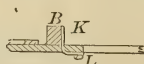
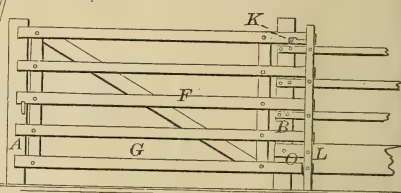
57715—A. Hill—Railway Crossing Guard.



57714—Higley &amp; Columbia—Raking and Binding Attachment to Reapers.



57713—B. S. Healy—Gate.



57717—I. N. Hodson—Loom.

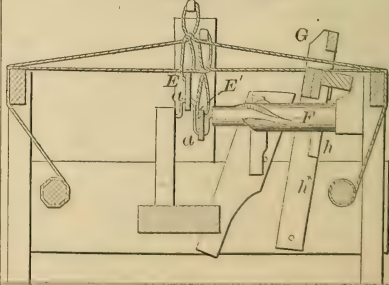


Fig. 1

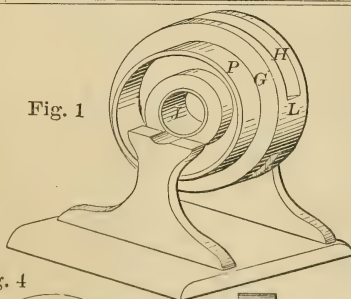


Fig. 4

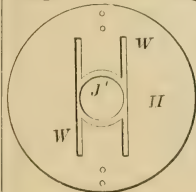
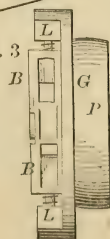


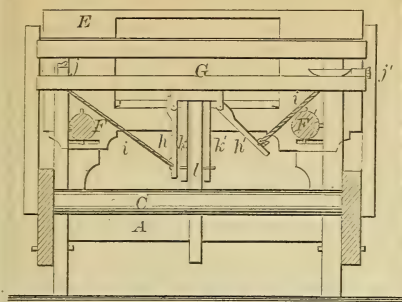
Fig. 3



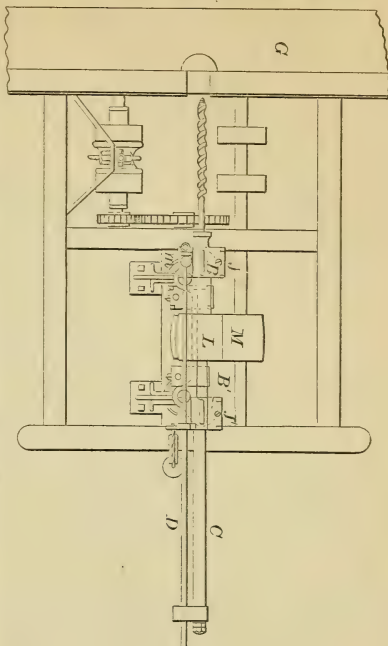
57716—S. Hinton—Lathe for Turning Scythe Snaths.



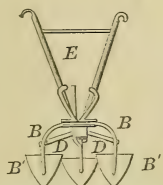
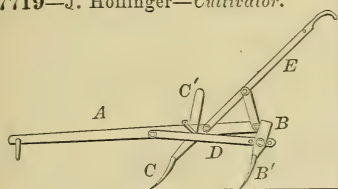
57717--Continued.



57718—D. Hoit—*Wood Boring Machine.*



57719—J. Hollinger—*Cultivator*.



57721—N. P. Holmes—*Milk Preserving Apparatus.* 3  $\Delta^3$  4

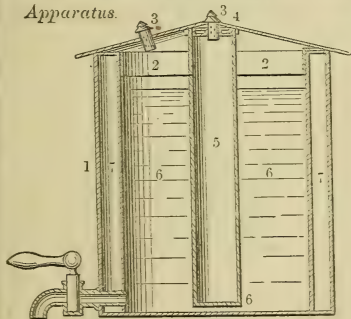
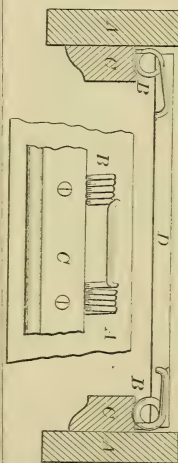
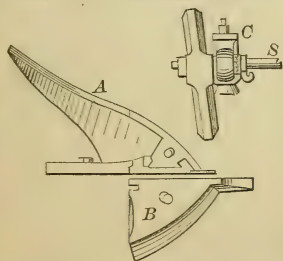


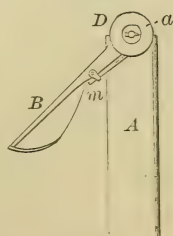
Fig. 2. A perspective view of the bed bottom, showing the internal structure with components labeled A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z.



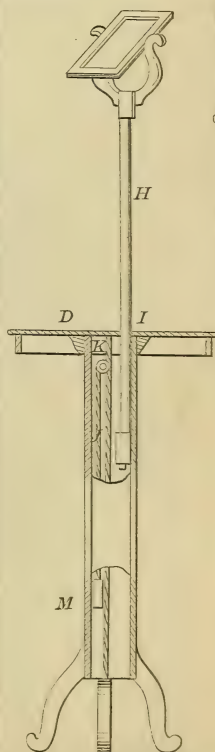
57724—H. A. Hummer—*Plow*.



57722—T. L. Hough—  
Truss.



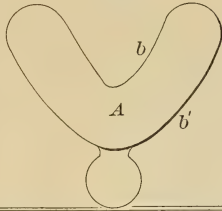
57723—Hughes & Tent—Stand and Mirror.



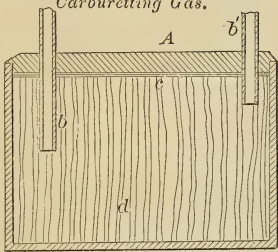
**57725**—G. H. Hurd—Plate for Artificial Teeth.



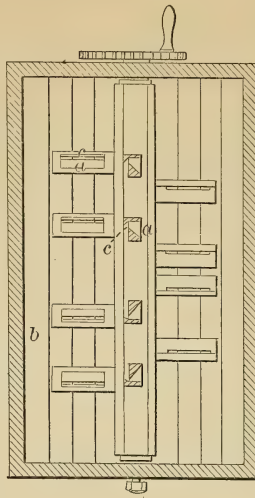
**57726**—G. H. Hurd—Dental Mould.



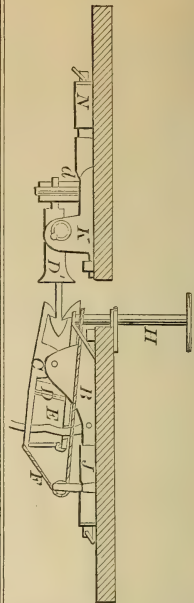
**57729**—A. K. Johnston—For Carburetting Gas.



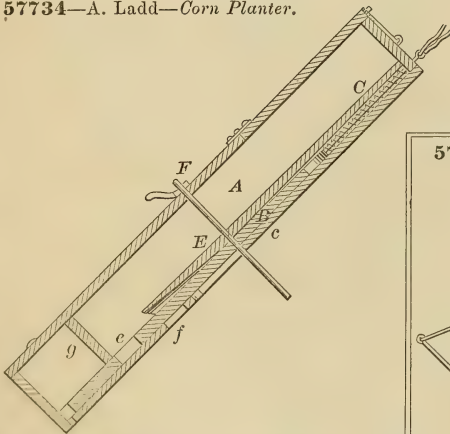
**57730**—J. D. Kellogg Churn.



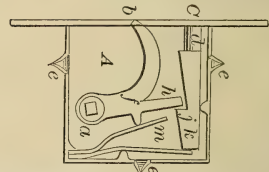
**57732**—J. Kingsbury—Car Coupling.



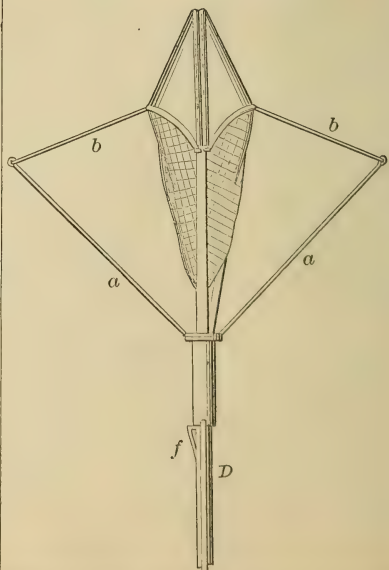
**57734**—A. Ladd—Corn Planter.



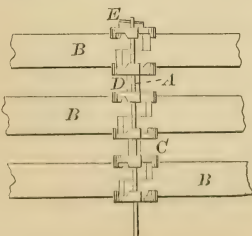
**57733**—Lacey & Bartlett—Sash Lock.



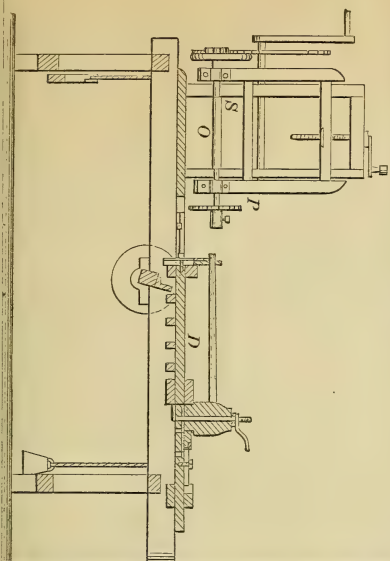
**57731**—Z. S. Kelsey—Fruit Gatherer.



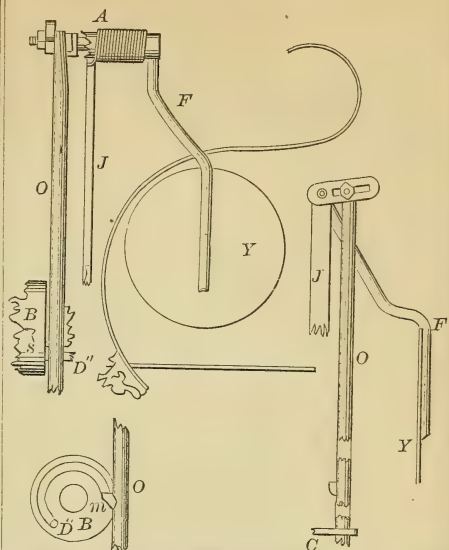
**57735**—C. Lee—Fence.



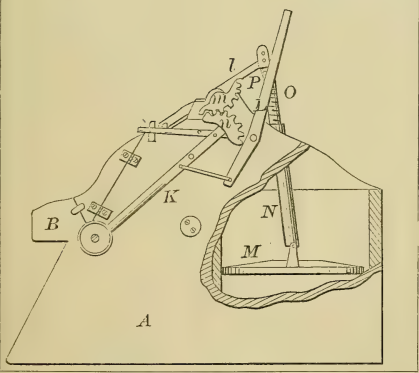
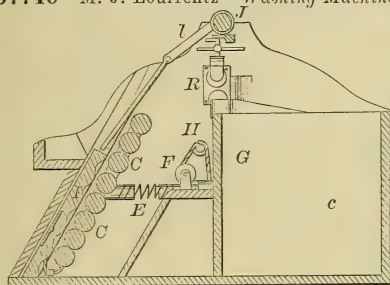
57736—J. Lefeber—Spoke Tenoning Machine.



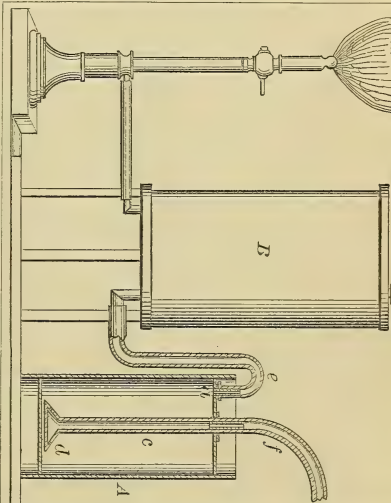
57739—S. D. Locke—Grain Binder.



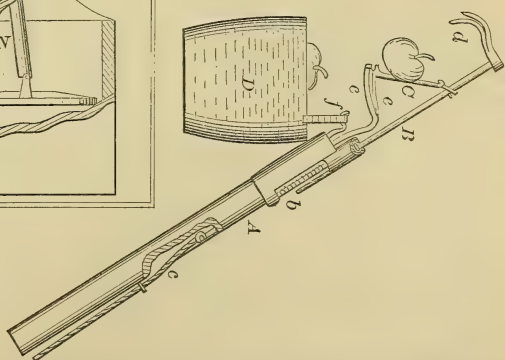
57740—M. J. Lourrentz—Washing Machine.



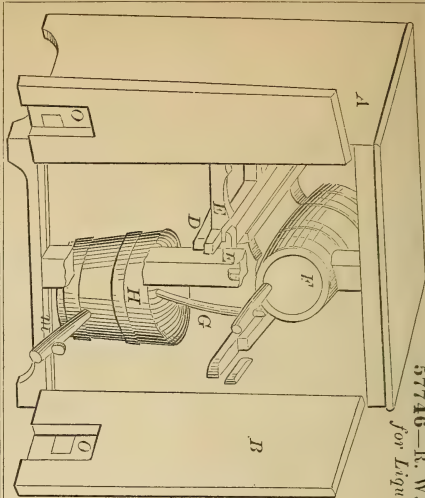
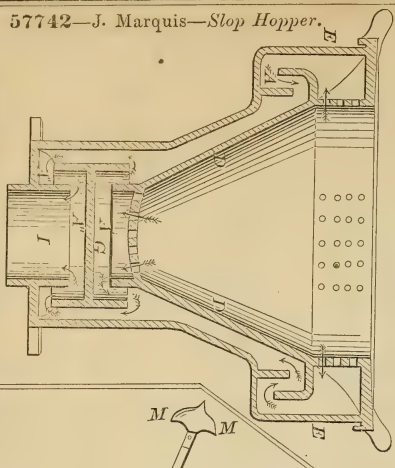
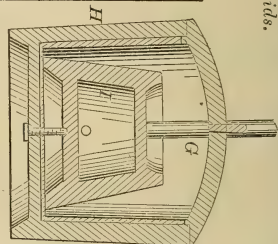
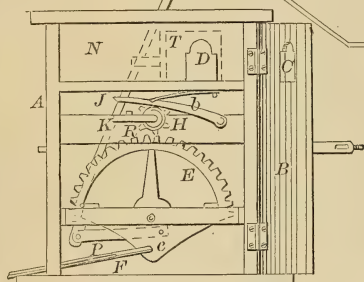
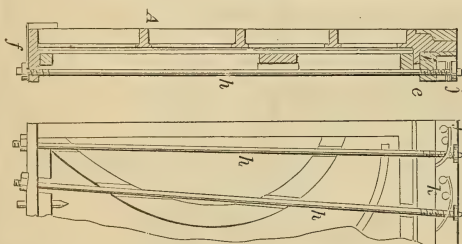
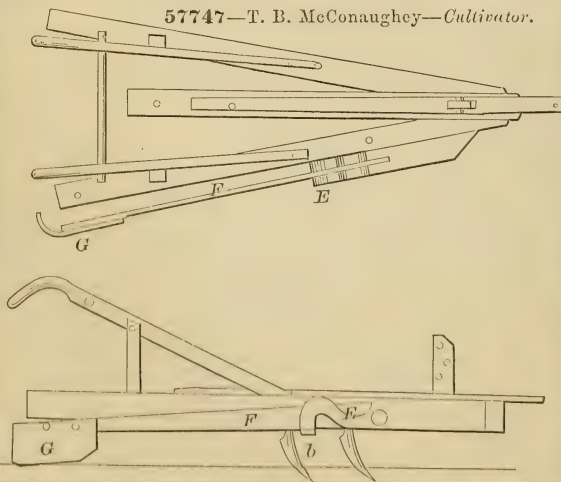
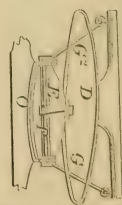
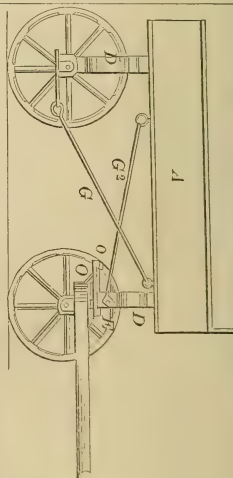
57738—J. S. Lipps—Petroleum Barrel.



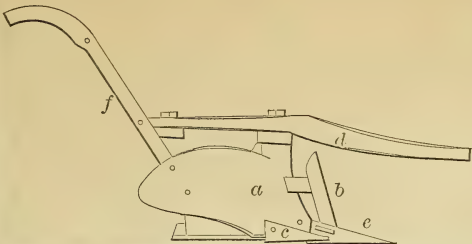
57741—C. M. & W. F. Lunt—Fruit Picker.



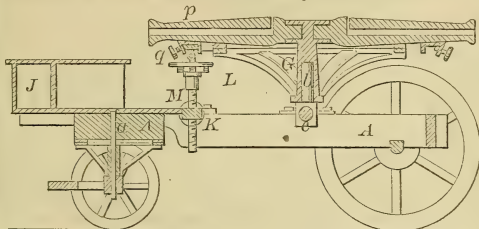


57742—J. Marquis—*Stop Hopper.*57746—R. W. McClelland—*Refrigerator for Liquids.*57744—H. Maxell, E. & H. Fessler—*Railroad Switch.*57743—M. Martins—*Metal Frame for Pianos.*57747—T. B. McConaughey—*Cultivator.*57745—J. R. MeAlister—*Carriage Gearing.*

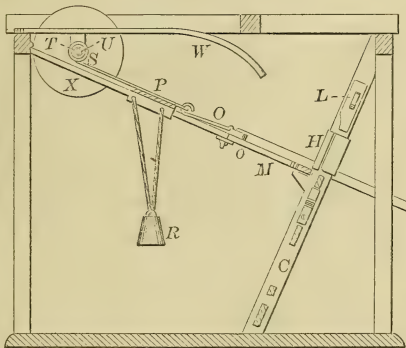
57748—J. McKinley—*Plow*.



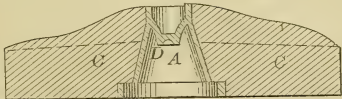
57751—N. L. Milburn—*Revolving Ordnance.*



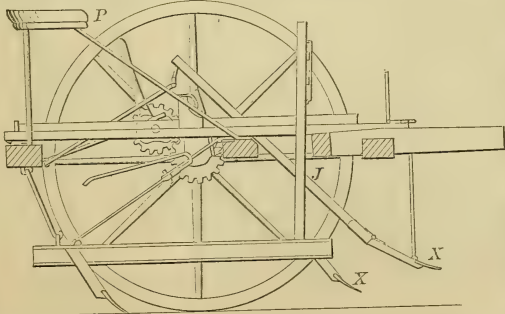
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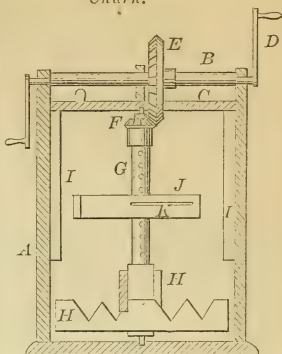
57754—E. & A. H. Nordyke—*Grinding Mill.*



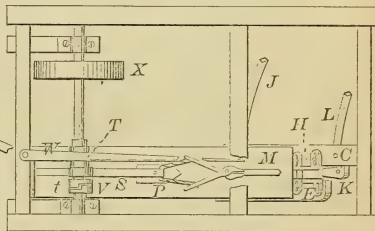
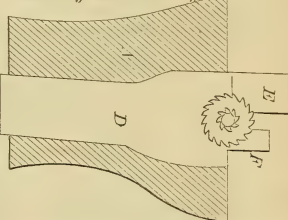
57752—L. B. Moore—*Corn Cultivator*.



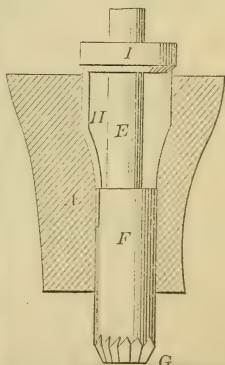
57750—J. II. Mendenhall—  
*Churn.*

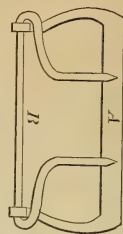
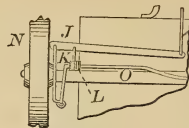
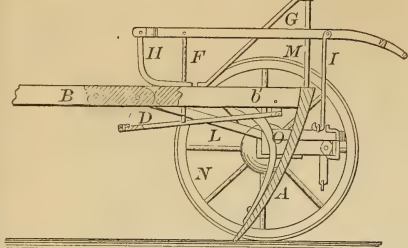
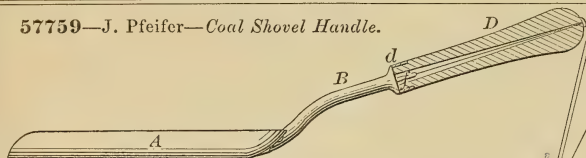
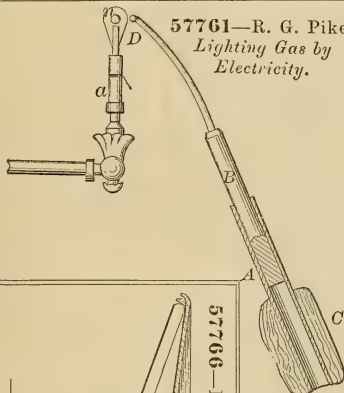
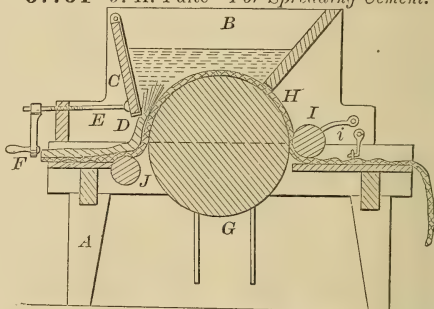
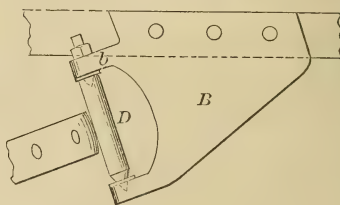


57755—E. Osborne—*Tool for Making Wooden Legs.*

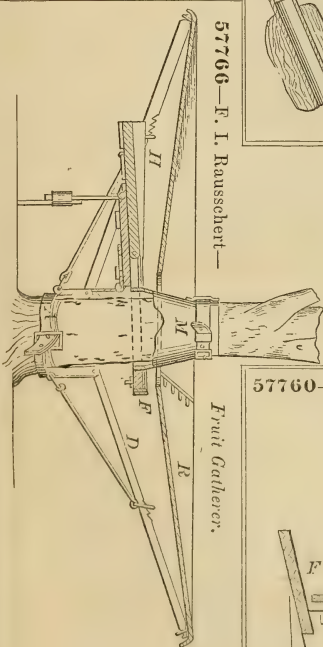
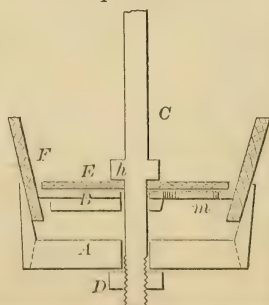
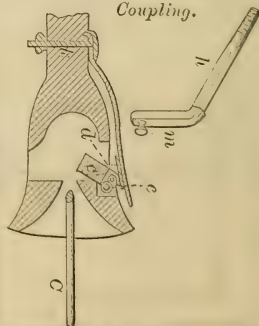


57756—E. Osborne—*Tool for Making Wooden Legs.*



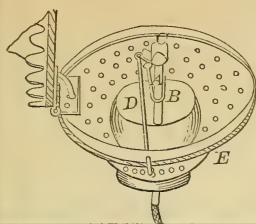
57757—N. Peck—*Earth Scraper.*57758—J. Peckham—*Buckle.*57759—J. Pfeifer—*Coal Shovel Handle.*57762—J. K. P. Pine—*Neck Tie.*57761—R. G. Pike—*Lighting Gas by Electricity.*57764—J. H. Pulte—*For Spreading Cement.*57765—S. R. Ramsdell—*Carriage Wheel Fender.*

57766—F. I. Rauscherl—

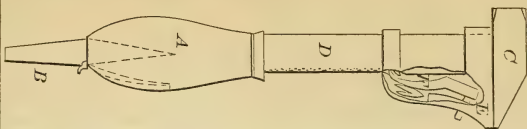
*Fruit Gatherer.*57760—B., E. & B. Pickering—*Pump Piston.*57767—J. H. Reed—*Car Coupling.*



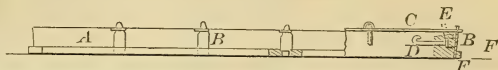
57768—Richardson & Ward—  
Lamp Extinguisher.



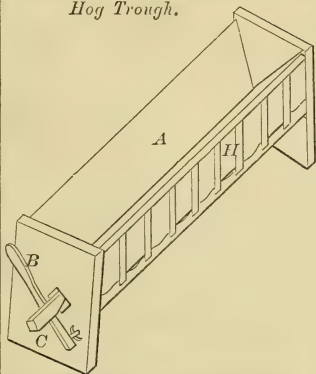
57769—C. Richmond—*Tool.*



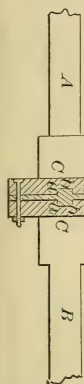
57770—E. R. Rison—*Bed Bottom.*



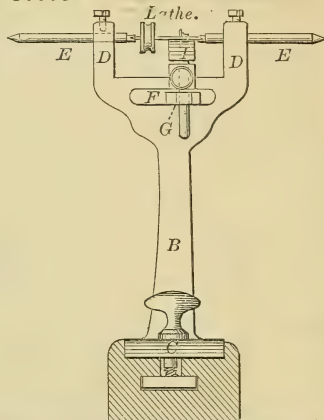
57772—W. H. Robbins—  
*Hog Trough.*



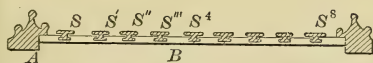
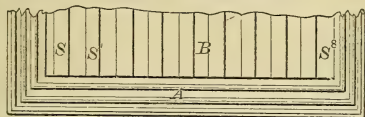
57771—B. Roach—*Spout Coupling.*



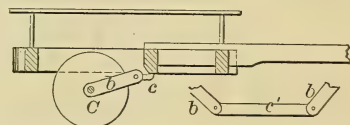
57775—F. Shaller—*Watchmaker's  
Lathe.*



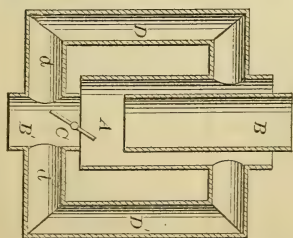
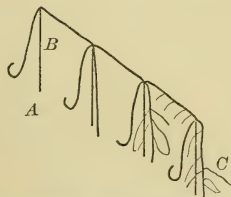
57776—E. Safford—*Card Rack.*



57773—C. D. Roberts—*Ground Roller.*

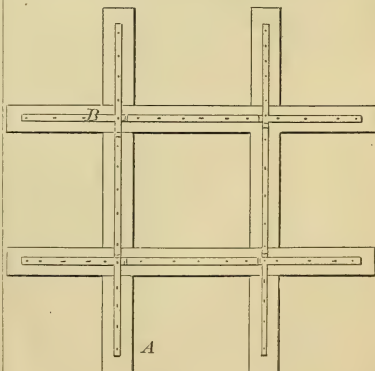


57777—G. S. Salisbury—*Training Grape Vines.*

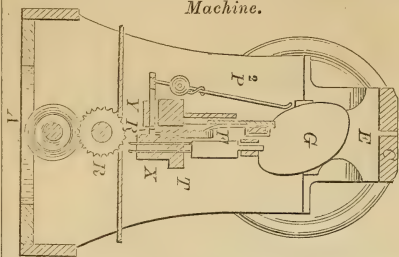


57778—H. H. Semiksen—  
*Store Type Drum.*

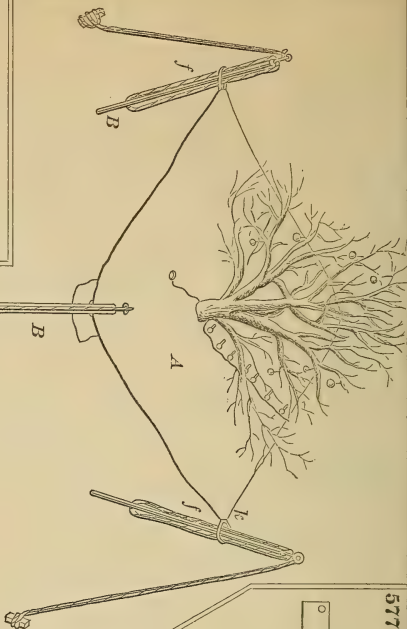
57779—J. L. Shaw—*Railway Crossing.*



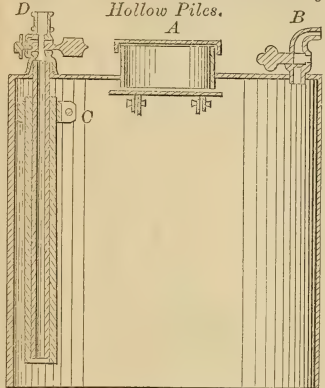
57780—Sheffield & Coburn—*Leather Piercing Machine.*



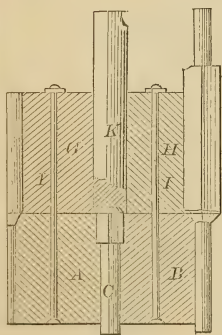
57785—Y. W. Smith—*Fruit Gatherer.*



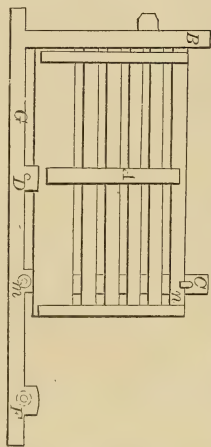
57784—W. S. Smith—*For Sinking Hollow Piles.*



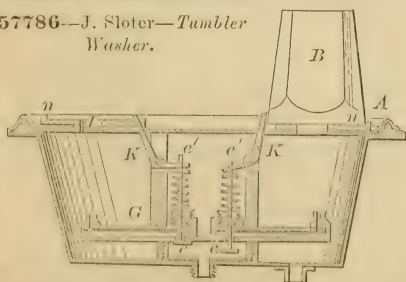
57781—J. W. Sibbet—*Die for Bolt Heading Machines.*



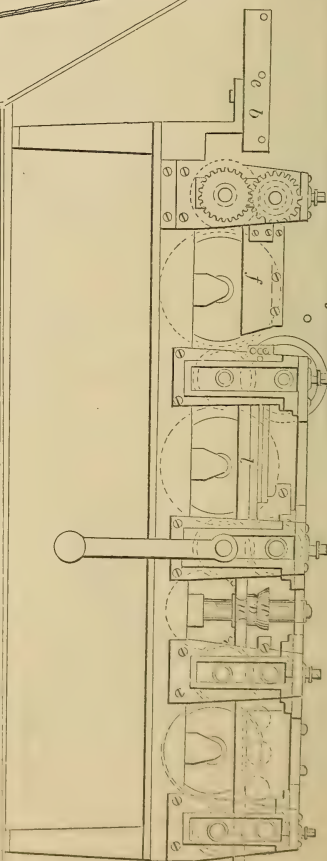
57782—Sigerfoos, Sands & Fry—*Gate.*



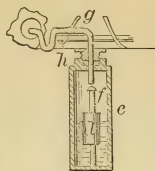
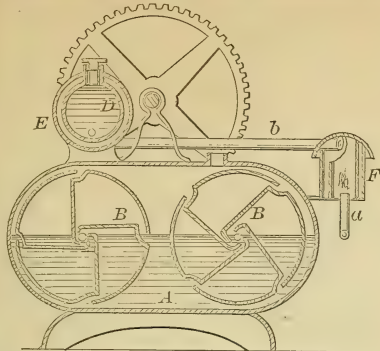
57786—J. Slotter—*Tumbler Washer.*



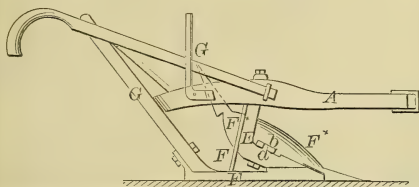
57783—C. G. Smith—*For Making Metal Tubes.*



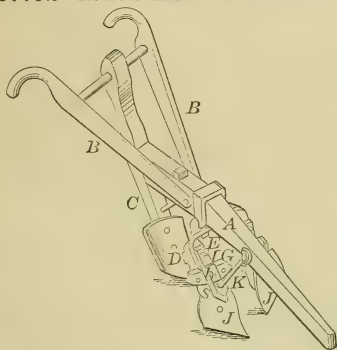
57788—J. F. Spence—For Carburetting Air.



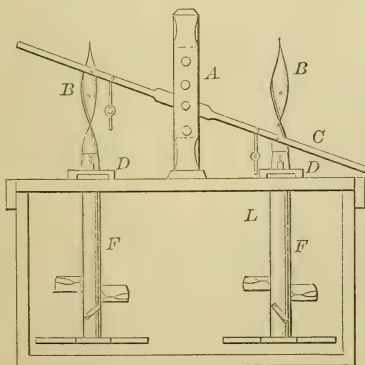
57796—G. W. Thompson—Plow.



57792—A. F. Stillwell—Cultivator.



57794—H. C. Stoll—Churn.



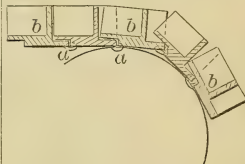
57790—A. G. Squire—Scythe Stone.



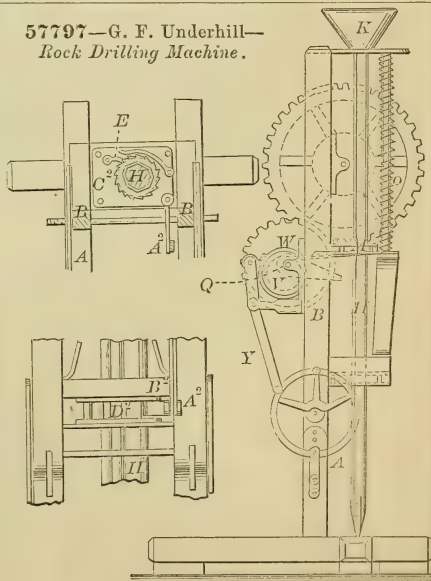
57793—  
S. W. Stockton—  
Attaching Artificial  
Teeth to Bases.



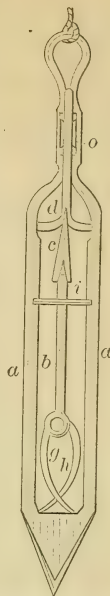
57791—M. B. Stafford—  
Jointed Mould.



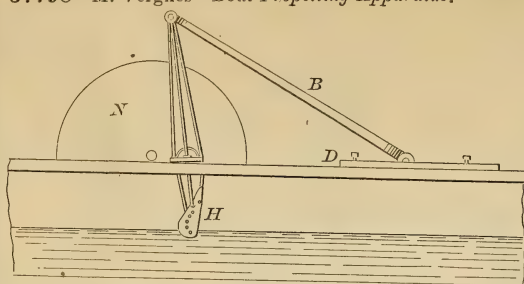
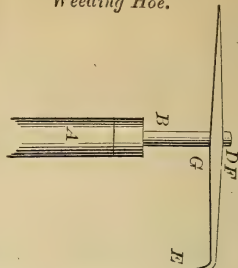
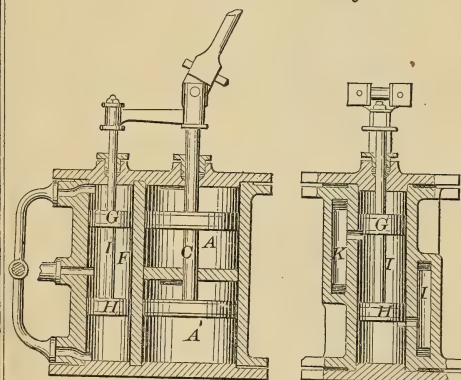
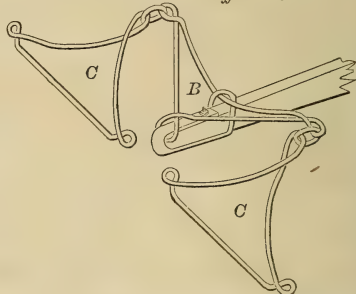
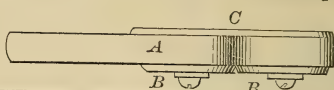
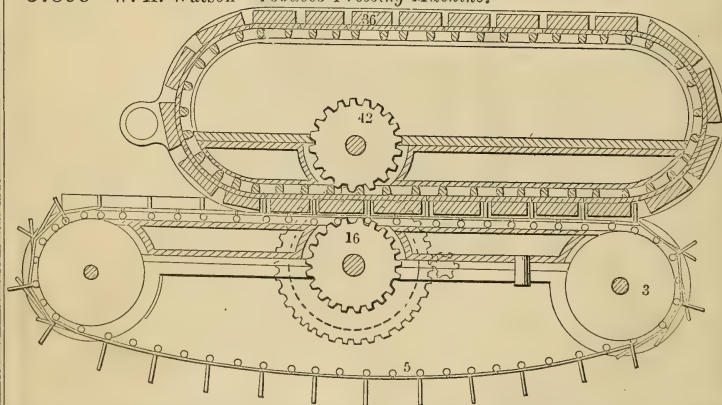
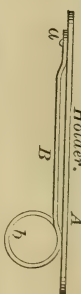
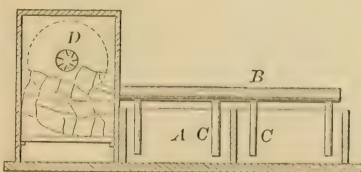
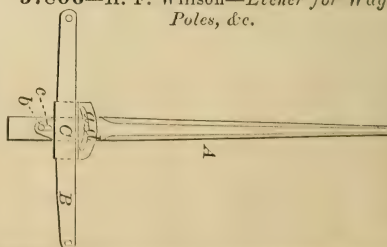
57797—G. F. Underhill—  
Rock Drilling Machine.



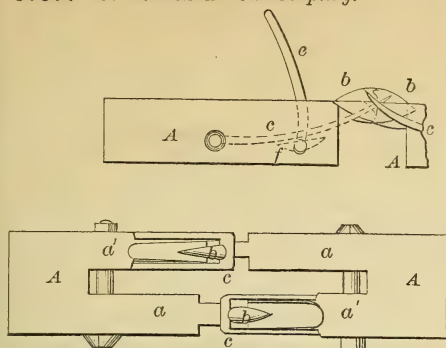
57789—W. S. Spratt—Horse Hay Fork.



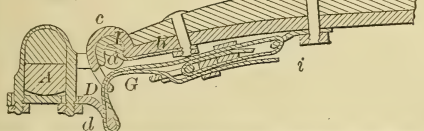


57798—M. Vergnes—*Boat Propelling Apparatus.*57802—W. J. Wells—*Weeding Hoe.*57799—G. I. Washburn—*Steam Engine.*57801—G. Watt—*Whiffletree.*57804—T. H. White—*Knife Sharpener.*57800—W. H. Watson—*Tobacco Pressing Machine.*57803—M. Whipple—*Driving Rein Holder.*57805—W. J. Wilcox—*Cooling Lard.*57806—H. F. Willson—*Eccner for Wagon Poles, &c.*

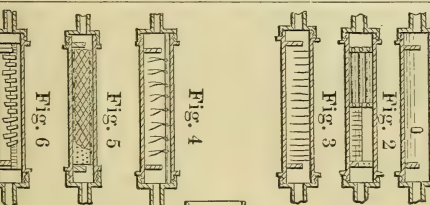
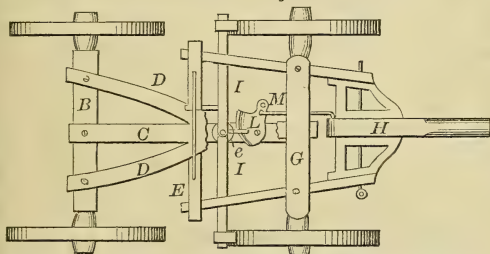
57807—G. W. Wilson—Car Coupling.



57809—B. L. Wood—Carriage Thill.



57810—L. E. Woodard—Wagon Brake.



57812—T. D. Worrall—For Carbureting Gas.

Fig. 14

Fig. 8

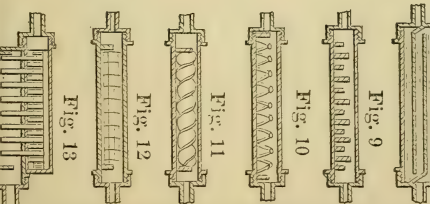
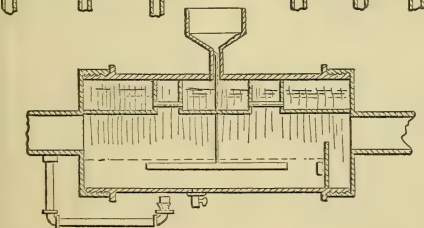
Fig. 9

Fig. 10

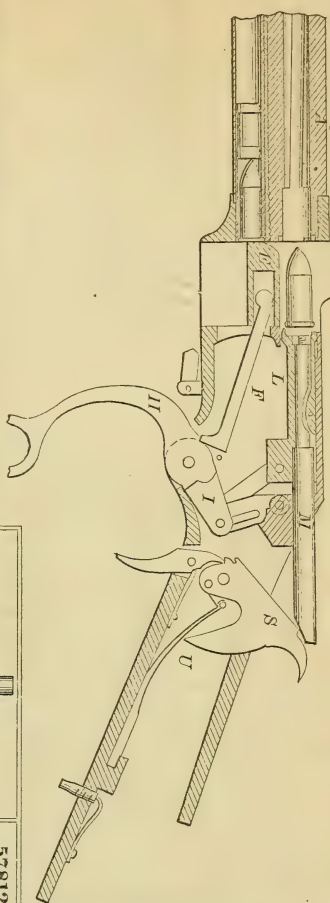
Fig. 11

Fig. 12

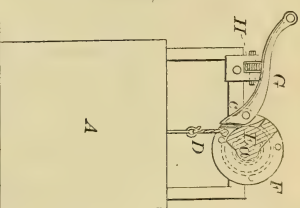
Fig. 13



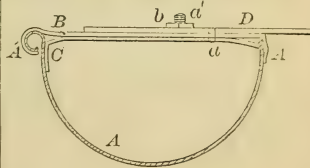
57808—O. F. Winchester—Magazine Fire Arm.



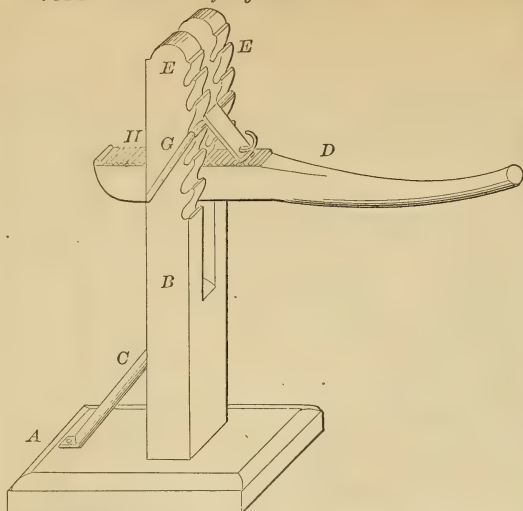
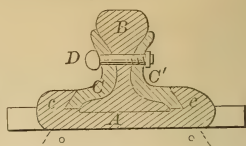
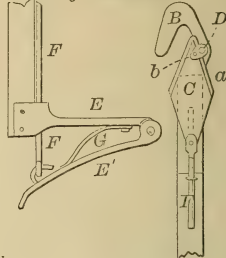
57811—A. Woodworth—Water Elevator.



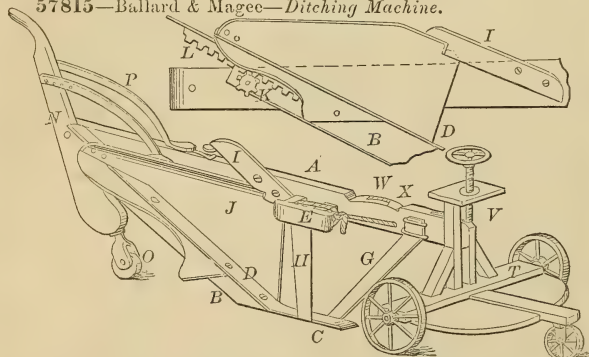
57813—W. Yapp—Eaves Trough.



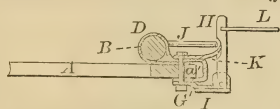
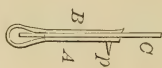
57814—A. Zink—Lifting Jack.

57816—J. W. Draper—  
Railway Chair.57817—Evans & Seymour—  
Pruning Instrument.

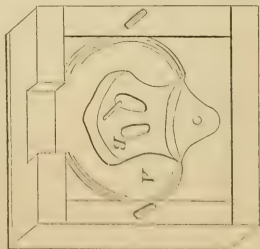
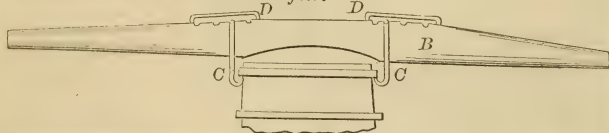
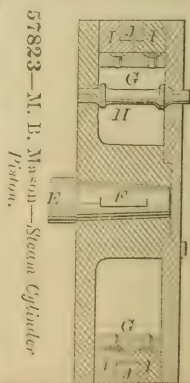
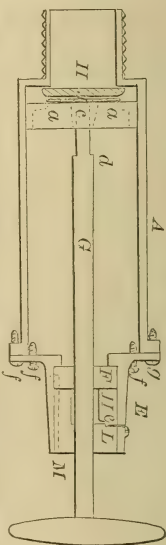
57815—Ballard &amp; Magee—Ditching Machine.



57820—W. A. Horrall—Whistletree.

57821—C. M. Hyatt—Neck  
Tie and Collar Clasp.

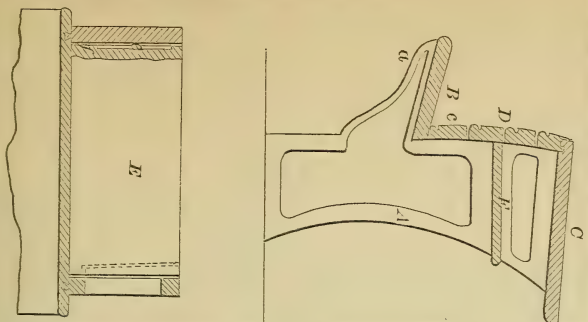
57819—L. H. Goff—Barrel Lifter.

57822—A. King—  
Moulding.57823—M. D. Mason—Steam Cylinder  
Piston.

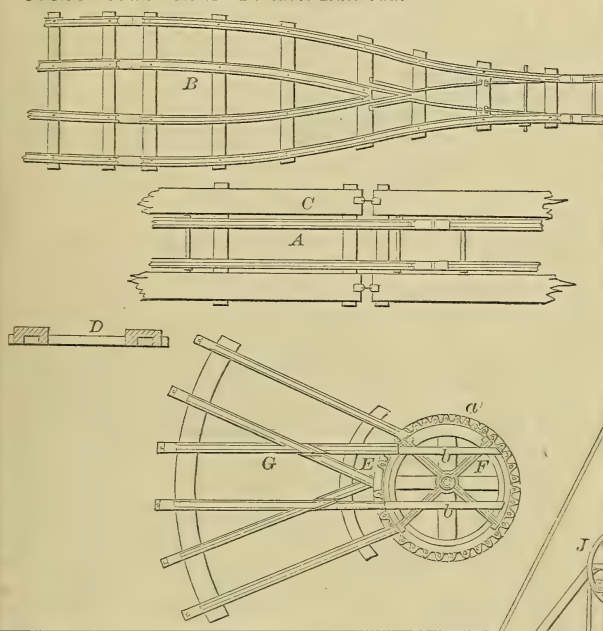
57818—J. Fahney—Fence.



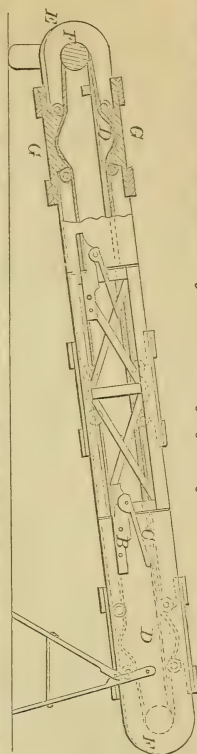
57824—G. Munger—*School Desk and Seat.*



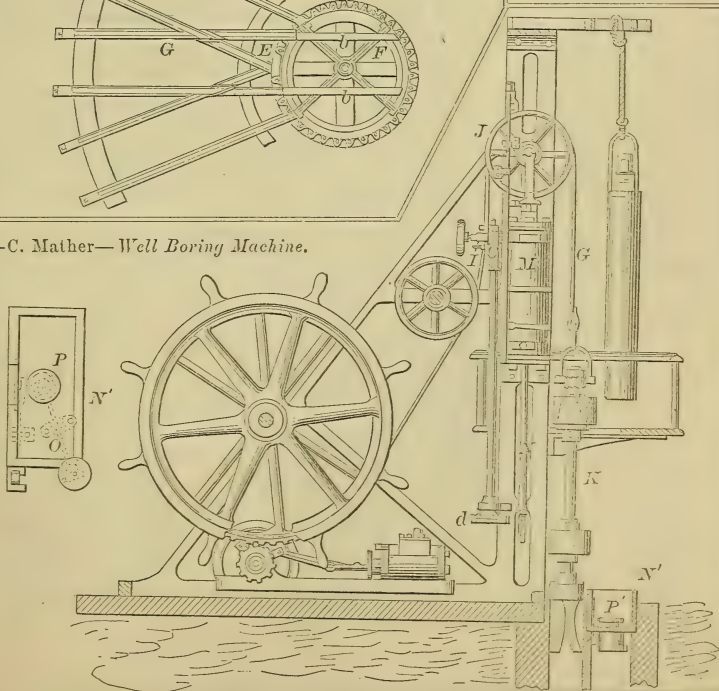
57826—J. N. Peteler—*Portable Railroad.*



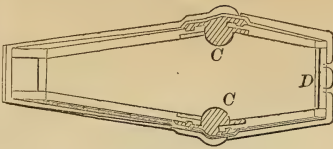
57825—N. A. Patterson—*Reeving and Discharging Freight.*



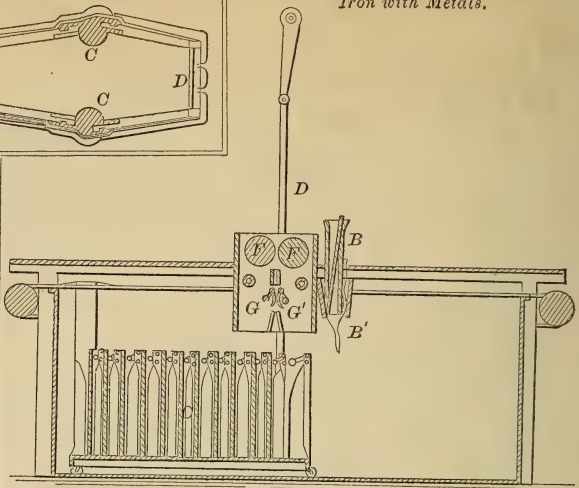
57827—C. Mather—*Well Boring Machine.*



57829—J. A. Fogg—Coffin.



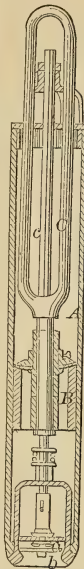
57832—E. Morewood—Coating Sheet Iron with Metals.



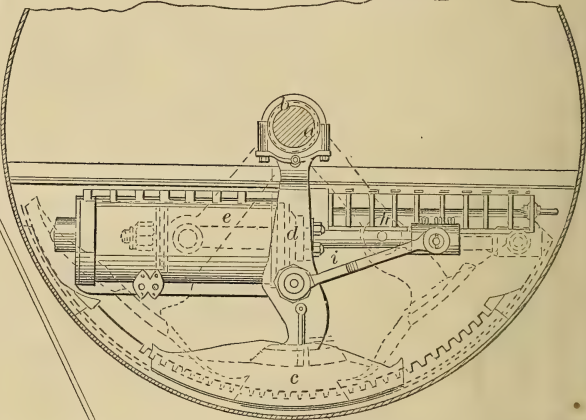
57828—C. Mather—Well Boring Drill.



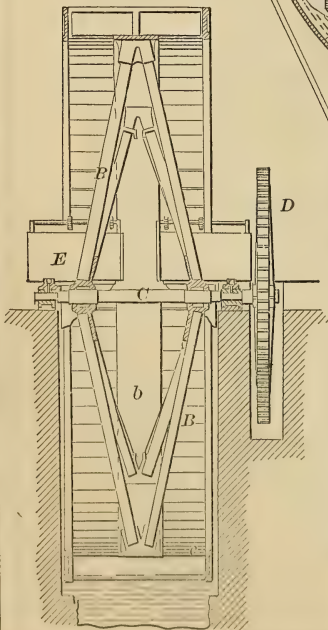
57830—C. Mather—Sand Pump.



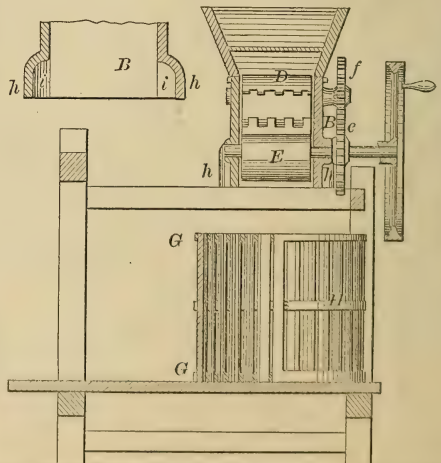
57834—W. L. &amp; T. Winans—For Trimming Ships.



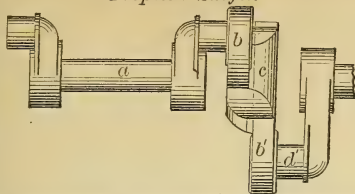
57831—P. F. Millot—Water Wheel.



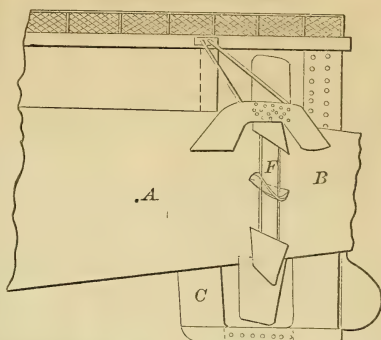
57833—H. Sells—Cider Mill.



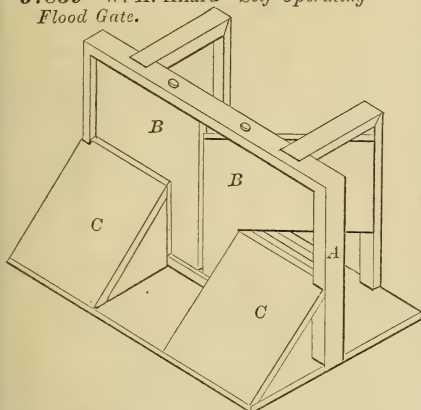
**57835**—W. L. & T. Winans—*Coupling for Propeller Shafts.*



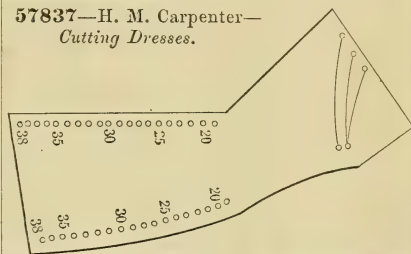
**57836**—W. L. & T. Winans—*Propeller for Spindle Shaped Ships.*



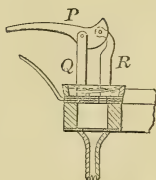
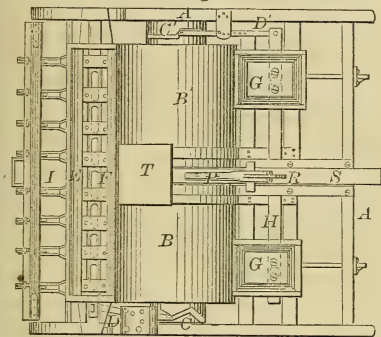
**57839**—W. H. Allard—*Self Operating Flood Gate.*



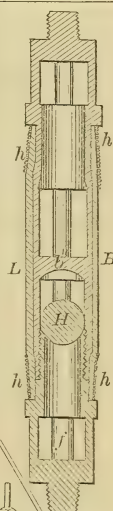
**57837**—H. M. Carpenter—*Cutting Dresses.*



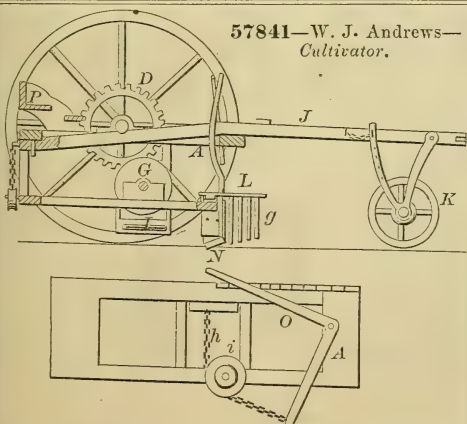
**57842**—A. Armstrong—*Wheat Drill.*



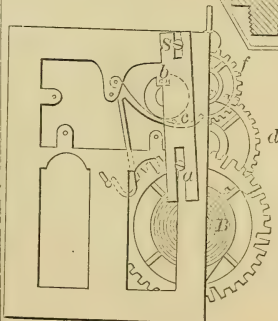
**57840**—F. N. Allen—*Piston for Deep Well Pumps.*



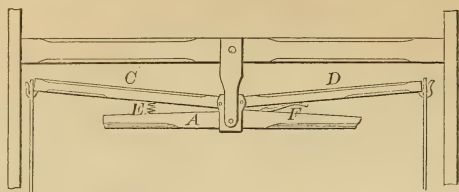
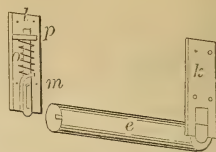
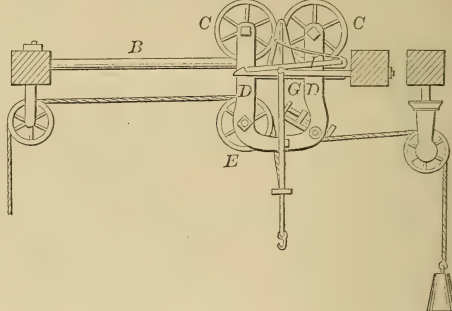
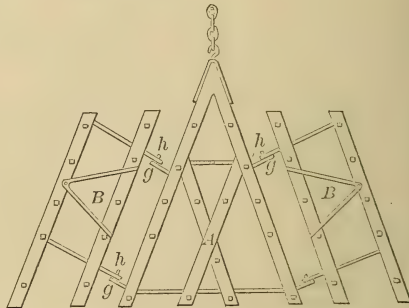
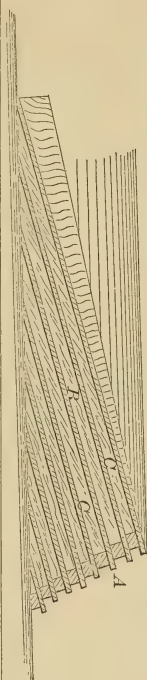
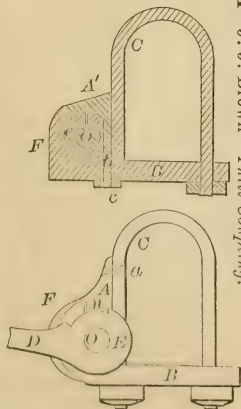
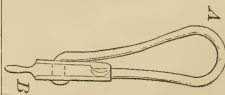
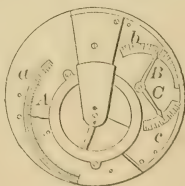
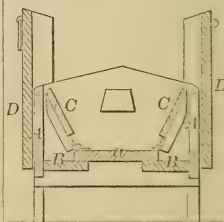
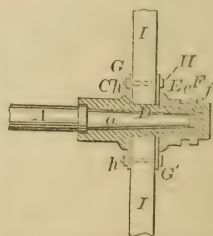
**57841**—W. J. Andrews—*Cultivator.*



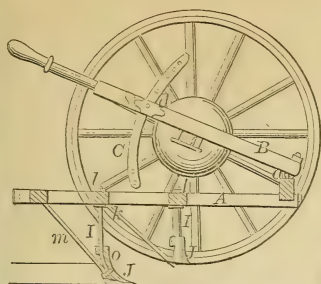
**57843**—L. Bacon—*Striking Works for Clocks.*





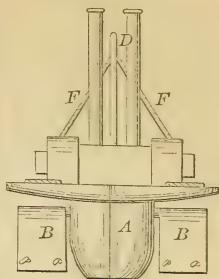
57844—F. A. Balch—*Whiffletree.*57845—R. Bartley—*Weather Strip.*57850—H. Black—*Hoisting Apparatus.*57851—E. Bradley—*Harrow.*57846—A. L. Dausman—*Expanding Scraper for Cleaning Gun Barrels.*57852—L. Britten—*Dam and Level.*57854—J. J. Brown—*Thill Coupling.*57847—F. Beals—*Snag Hook.*57848—W. M. Beeman—*Register for Regulating Time Keepers.*57853—J. P. Brown—*Sheep and Cattle Rack.*57855—H. B. Buch—*Needle Hub.*

57856—M. H. Bucknall—Cultivator.

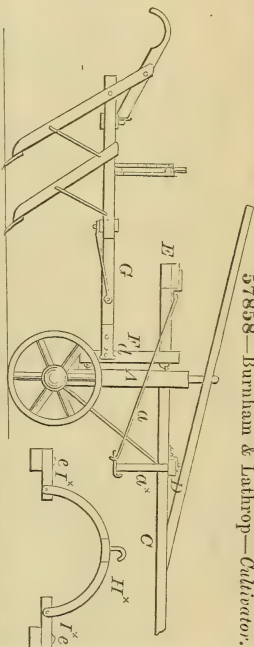
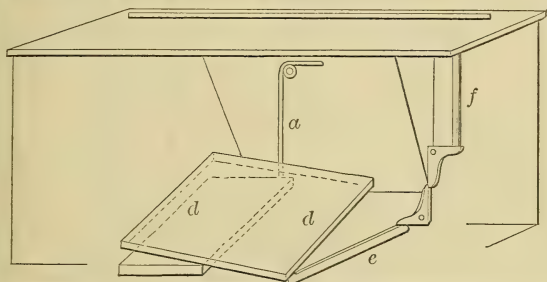


57857—R. B. Burchell—Lock.

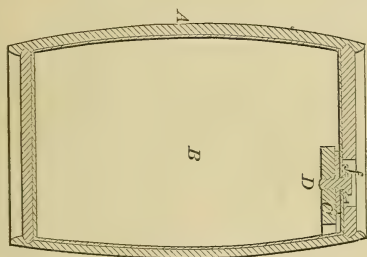
57859—T. Byrne—Dredging Machine.



57861—R. W. Carpenter—Musical Instrument.

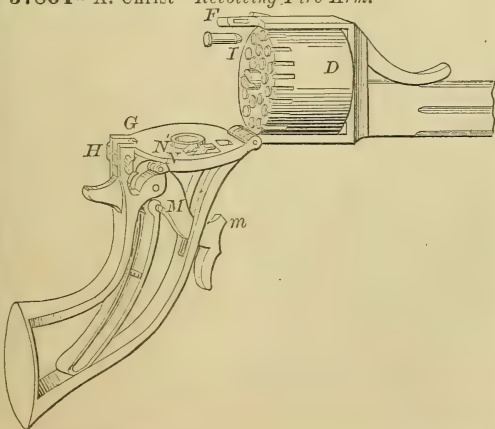


57858—Burnham & Lathrop—Cultivator.

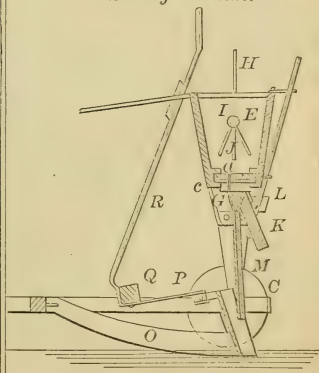


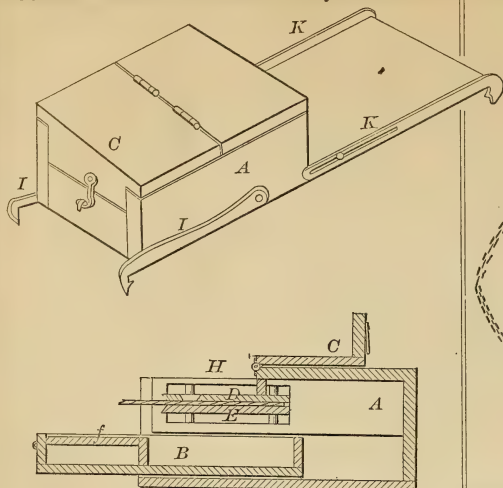
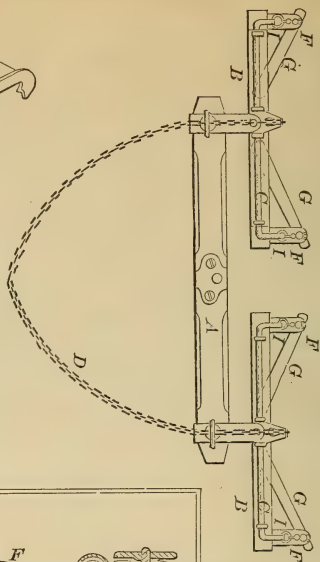
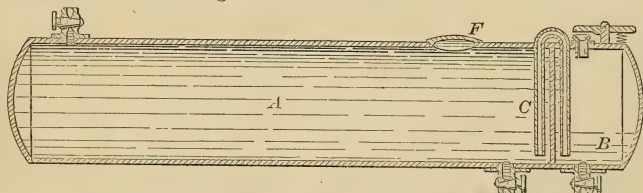
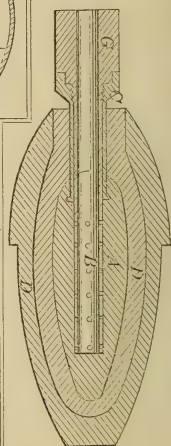
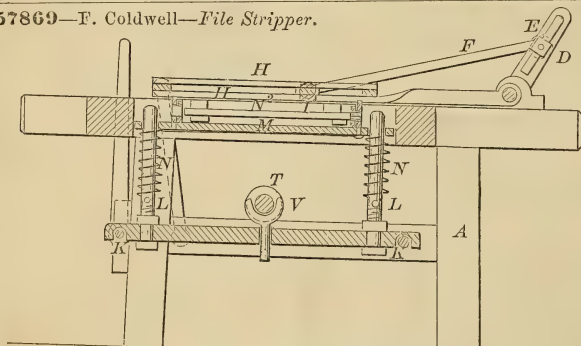
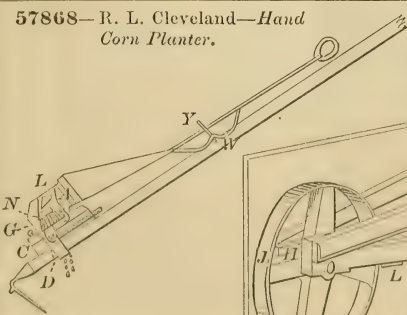
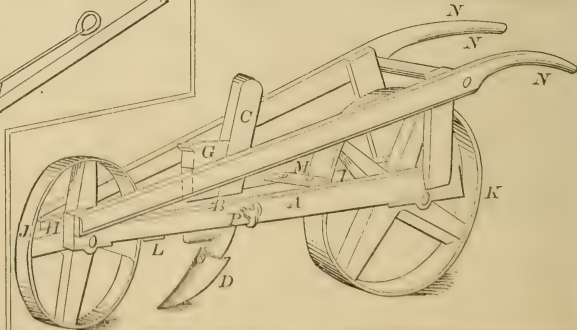
57863—C. H. Carver—Barrel or Cask.

57864—A. Christ—Revolving Fire Arm.



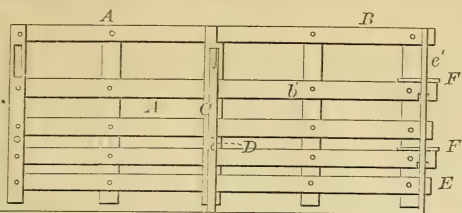
57862—C. C. Carter—Wheat Sowing Machine.



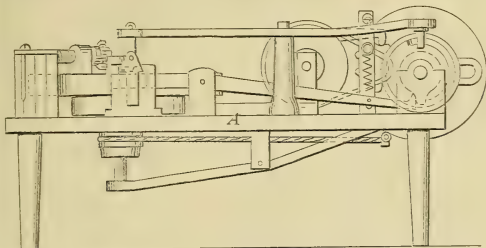
57865—Christian & Morrow—*Knife Cleaner.*57867—F. Clemens—*Whiffletree.*57866—Church & Knight—*Petroleum Tank.*57870—Crane & Fox—*Compound Projectile.*57869—F. Coldwell—*File Stripper.*57868—R. L. Cleveland—*Hand Corn Planter.*57871—J. M. Crawford—*Garden Plow.*



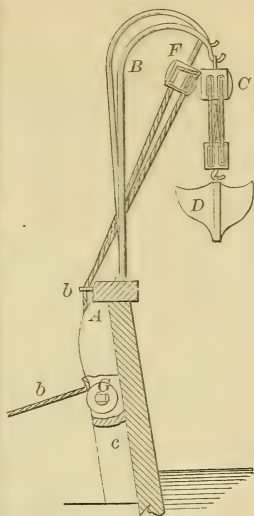
57872—S. Crocker—Fence.



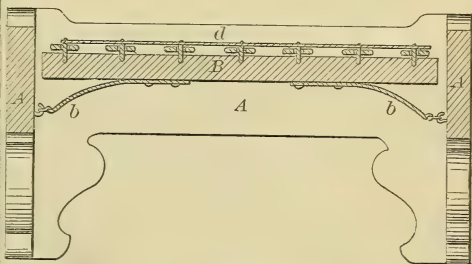
57873—C. O. Crosby—Wire Pointer.



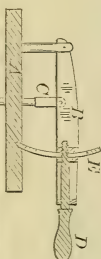
57877—W. A. Devon—Raising and Lowering Boats.



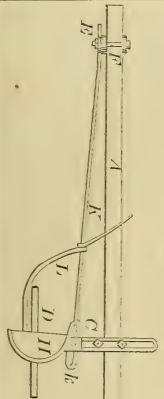
57875—J. & S. Danner—Spring Bed Bottom.



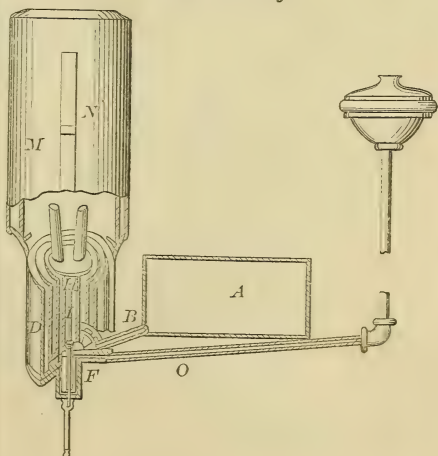
57879—E. Doe—Throttle Valve Lever.



57878—O. P. Dills—Wheel Flow.



57880—H. W. Dopp—Wick Burner for Heating and Cooking.



57876—Davis & Leland—Clutch Hook for Slaughtering.

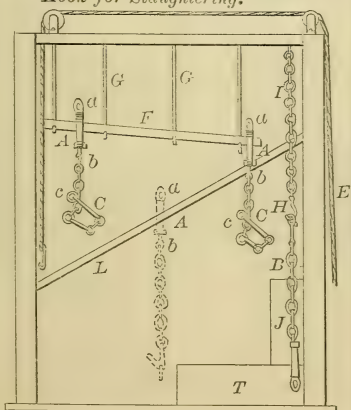


Fig. 1

57881—O. Drouillard—Raising Sunken Vessels.

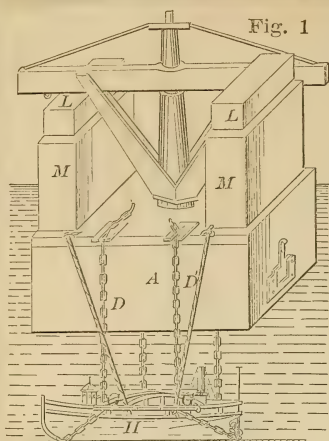
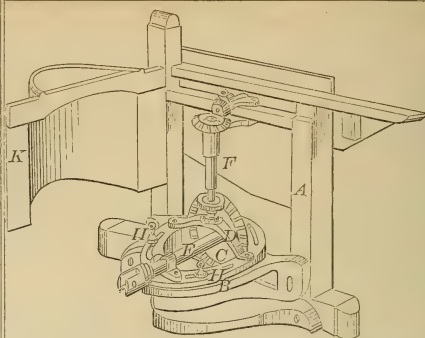
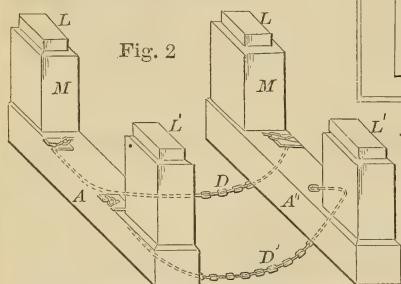
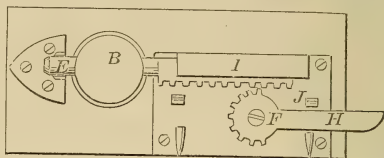


Fig. 2

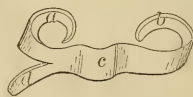


57882—C. F. Du Vall—Threshing Machine Side Gear.

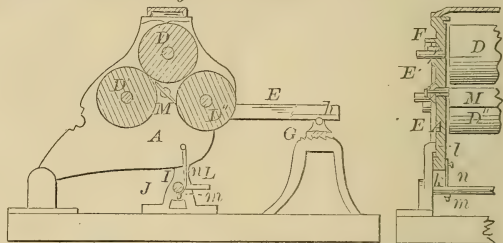
57887—E. P. Gale—Bow Pin for Ox Yokes.



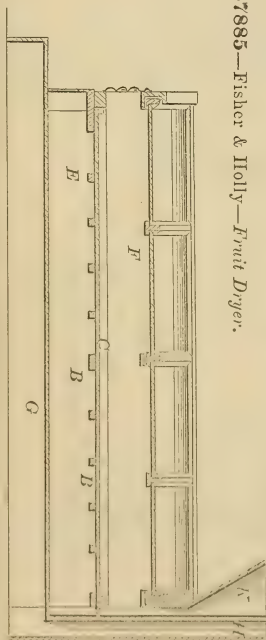
57888—J. H. Gano—Corn Husker.



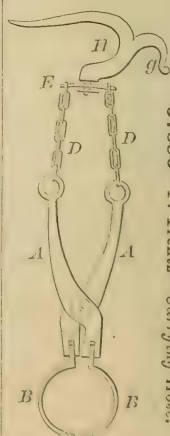
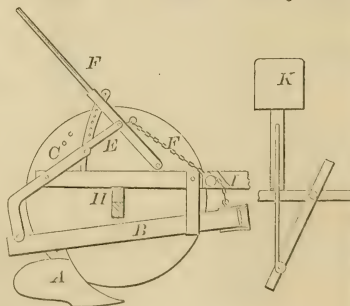
57883—A. Eaton—Sugar Cane Mill.



57885—Fisher &amp; Holly—Fruit Dryer.



57889—R. R. Gaskill—Sulkey Plow.

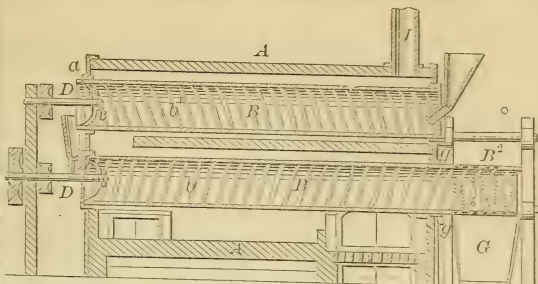


57886—P. Trentz—Carrying Horse.

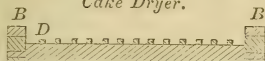
**57890**—S. D. Gilson—*Artificial Fuel.*



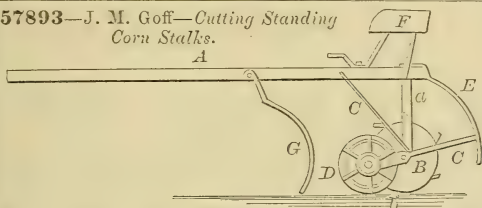
**57892**—F. Godfrey—*Furnace for Calcining Gypsum.*



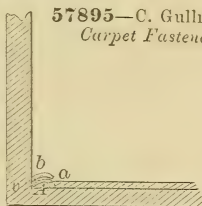
**57891**—C. Gleason—*Yeast Cake Dryer.*



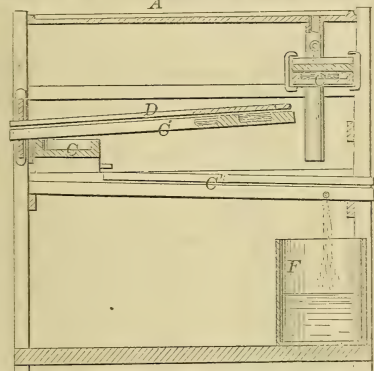
**57893**—J. M. Goff—*Cutting Standing Corn Stalks.*



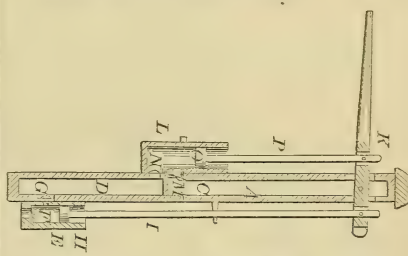
**57895**—C. Gullmann—*Carpet Fastener.*



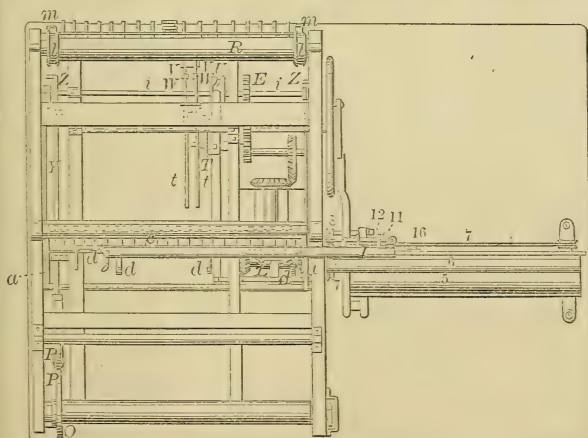
**57894**—T. Grundmann—*Making Vinegar.*



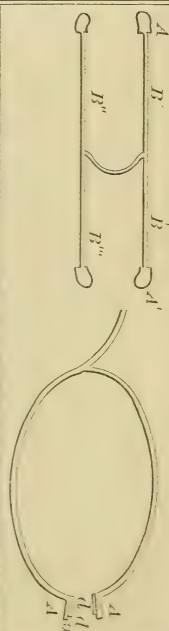
**57897**—A. S. Hanson—*Pump.*



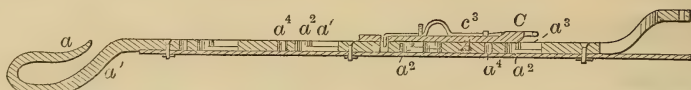
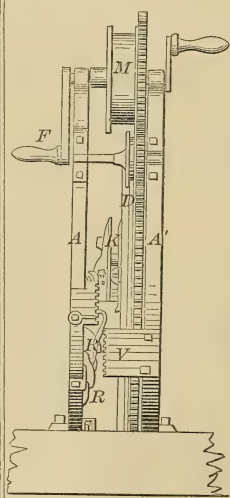
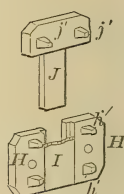
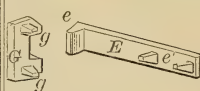
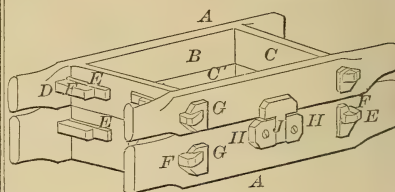
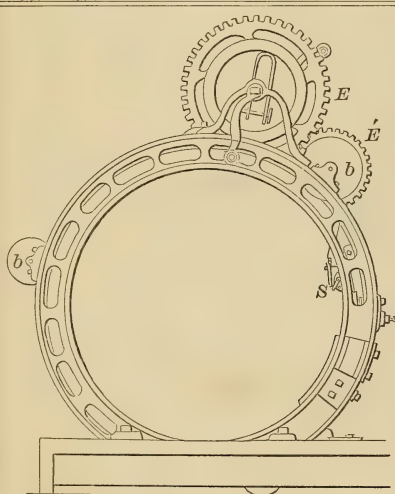
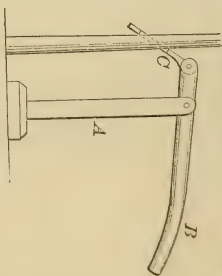
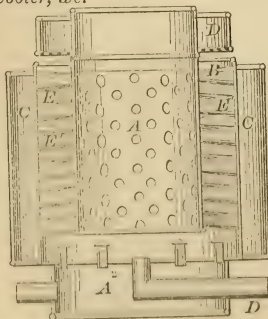
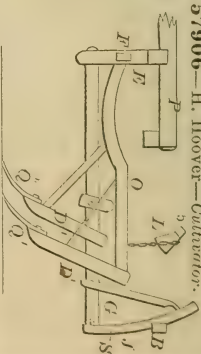
**57898**—G. Hasecoeter—*Loom for Weaving Slatted Window Shades.*



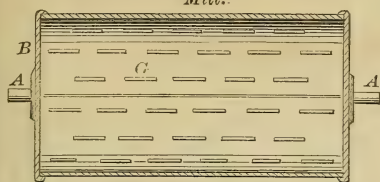
**57896**—H. Hammond—*Spectacle Frame.*



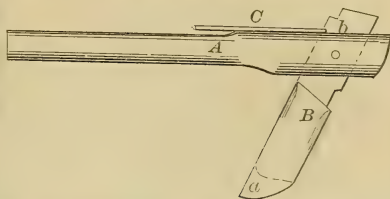


57899—L. W. Heelan—*Hame Tug and Buckle.*57901—A. Houston—*Paddle Wheel.*57903—J. G. Holliday—*Moulders' Flask.*57904—S. T. Holly—*Grain Binder.*57902—C. Hibbard—*Spring Dirk Knife.*57904—S. T. Holly—*Grain Binder.*57900—J. Herget—*Beer Cooler, &c.*57905—L. Holmes—*Pole and Post Puller.*57906—H. Hoover—*Cultivator.*

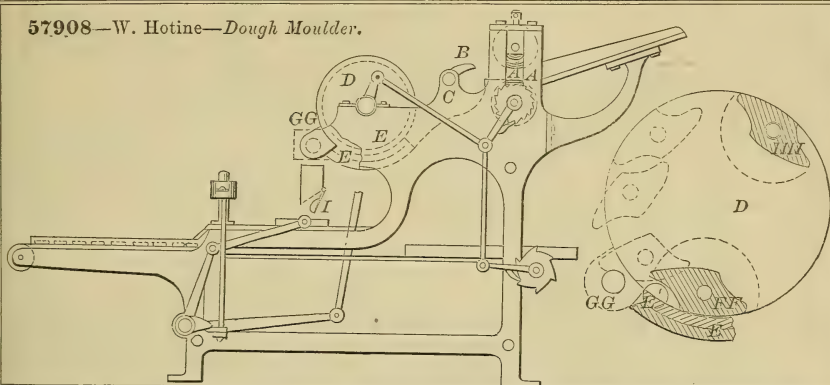
57907—S. D. Horton—*Founders' Cleansing Mill.*



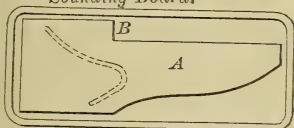
57911—Hurt & Douglass—*Spike Drawer.*



57908—W. Hotine—*Dough Moulder.*

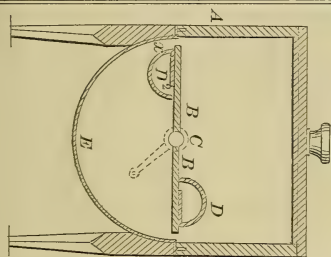
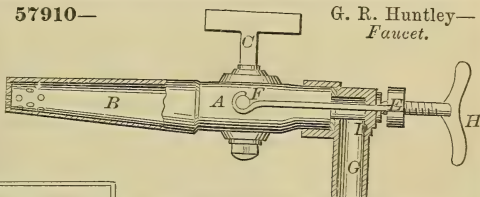


57912—A. De Kuhn—*Piano Sounding Board.*



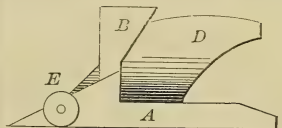
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G. R. Huntley—*Faucet.*

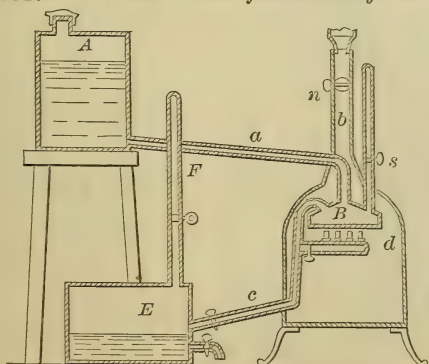


57913—B. Illingworth—*Churn.*

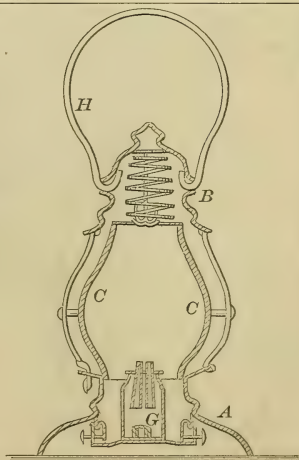
57909—C. B. Hunting—*Plow.*



57915—J. H. Irwin—*Retort for Generating Gas.*



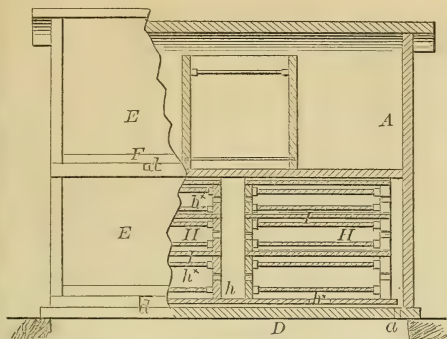
57914—J. H. Irwin—*Lantern.*



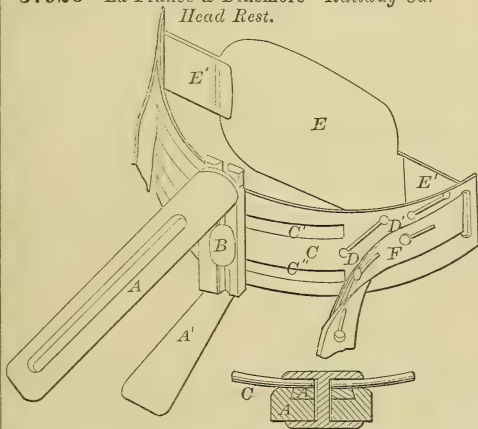




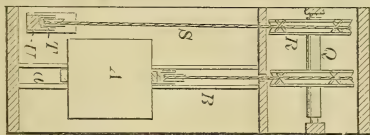
57924—E. N. Kingsley—*Beehive*.



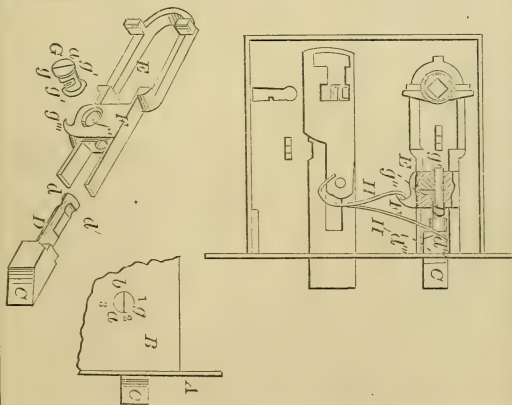
57926—La France & Dinsmore—*Railway Car  
Head Rest.*



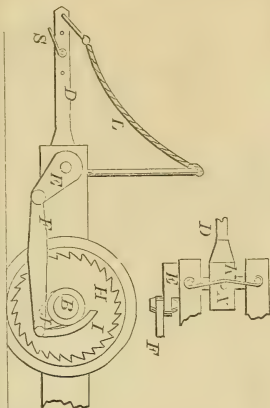
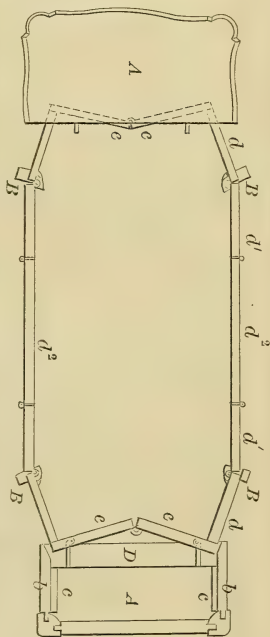
57928—R. W. Lawrence—*Dumb Waiter*.



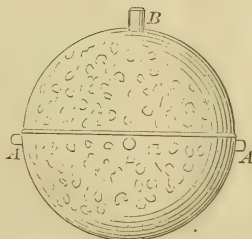
57930—R. Lee—*Knob Latch*.



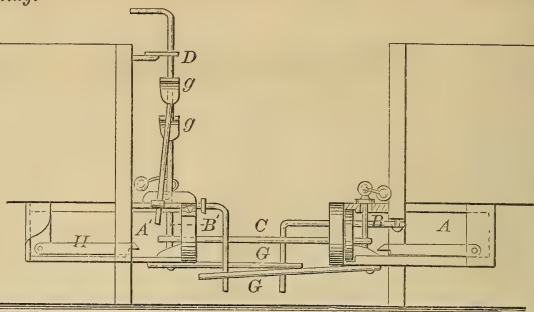
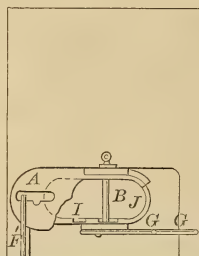
57925—Kuns & Burson—Starting Street Cars.

57927—Lauter & Kautz—*Extension Table.*

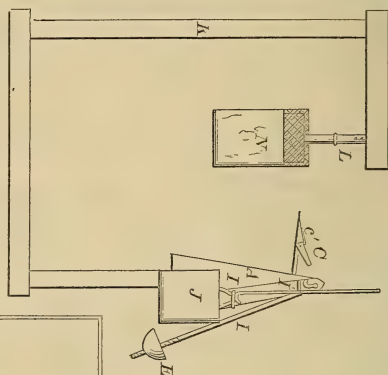
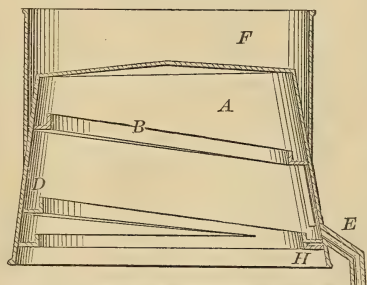
57929—L. L. Lee—*Water Gauge Float.*



57931—D. Lippy—Car Coupling.

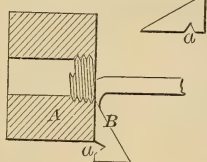


57932—J. F. Llewellyn—Condenser.

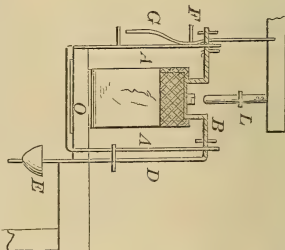
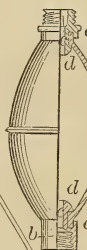


57936—P. N. Maine—Receiving Mail Bags on Cars.

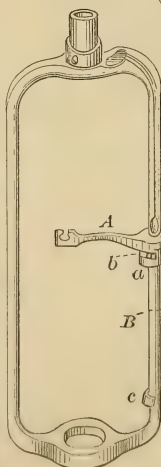
57934—E. Lyman—Gauge for Screw Cutting Tools.



57933—H. D. Lockwood—Elastic Bulb Spring.

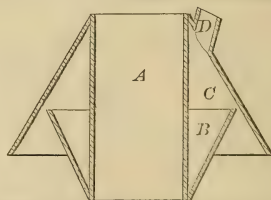


57935—F. A. Mack—Well Tube.

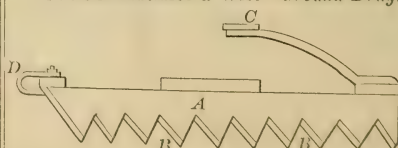


57938—T. Mayor—Roving Frame Flyer.

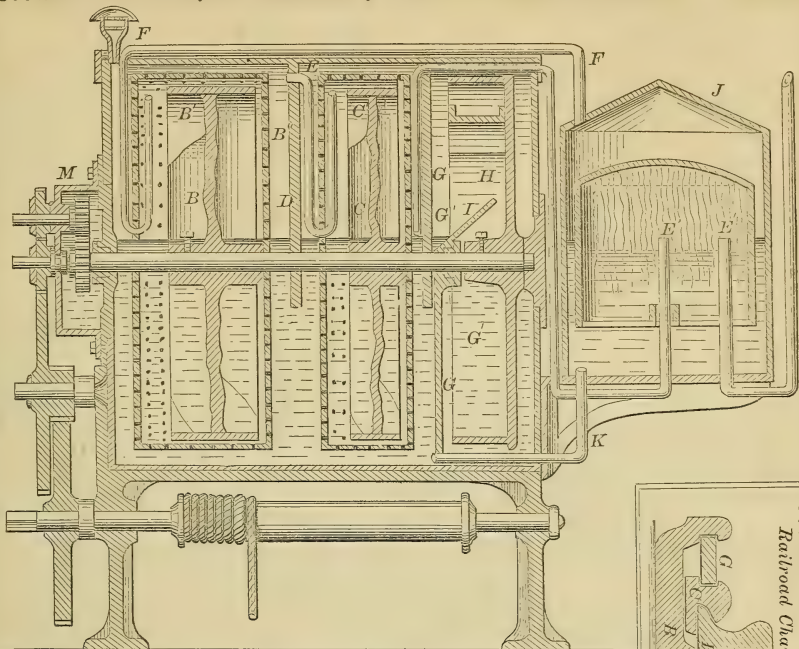
57937—D. P. Mathews—Tree Protector.



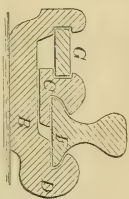
57939—McAfee &amp; Wirt—Ground Drag.



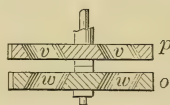
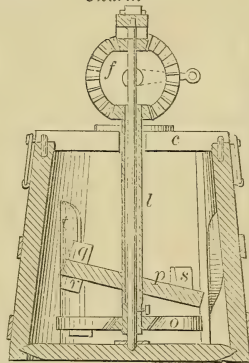
57940—H. L. McAvoy For Carburetting Air.



57943—B. McDevitt—  
Railroad Chair.



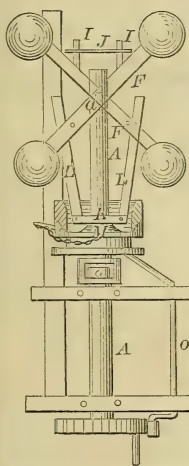
57942—W. R. McCutcheon—  
Churn.



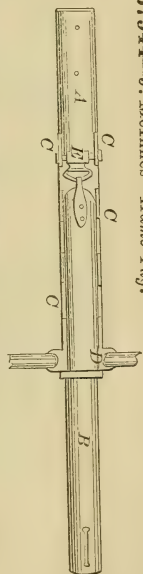
57945—T. Melnirre—Cotton  
Tie Fastening.



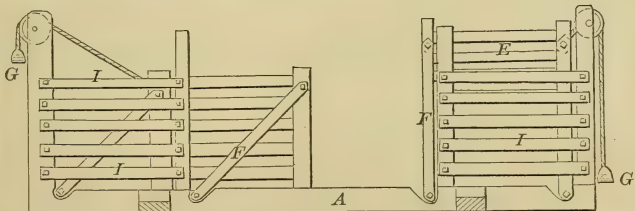
57941—T. B. McConaughey—  
Horse Power Governor.



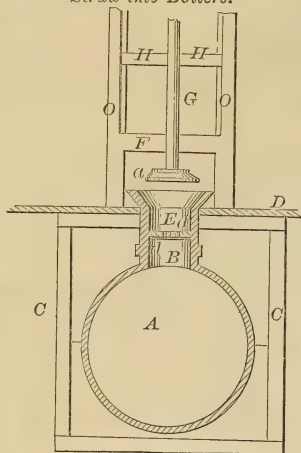
57944—J. Melnes—Hame Yug.



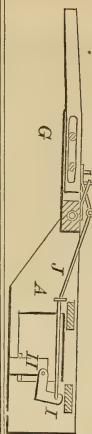
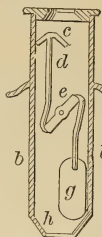
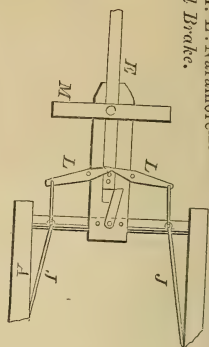
57946—H. D. Mead—Farm Gate.



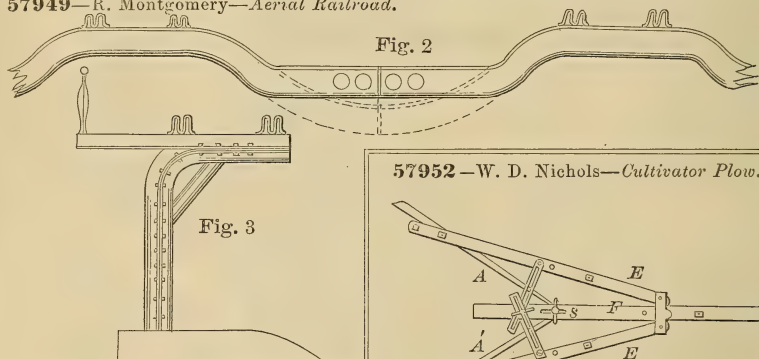


57947—H. B. Meech—Packing  
Straw into Boilers.

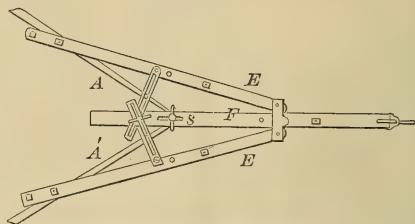
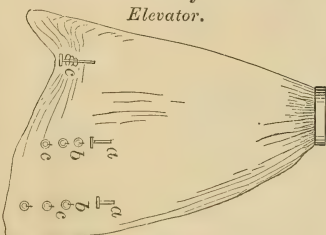
57948 W. P. Miller—Bottle Valve.

57951—H. L. Naranore—  
Sled Brake.

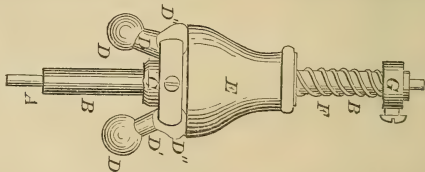
57949—R. Montgomery—Aerial Railroad.



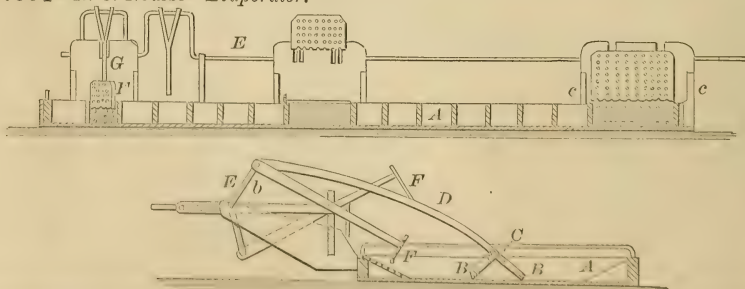
57952—W. D. Nichols—Cultivator Plow.

57950—S. A. Moody—Ladies' Dress  
Elevator.

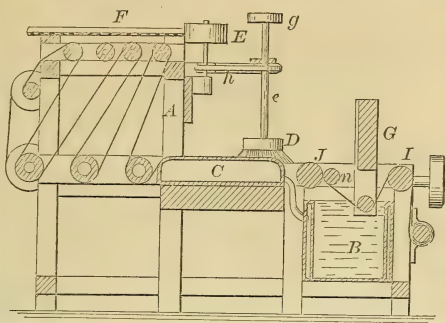
57953—W. Nichols—Steam Engine Governor.



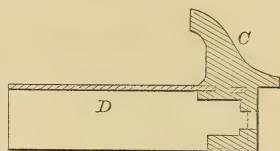
57954—R. C. Nourse—Evaporator.



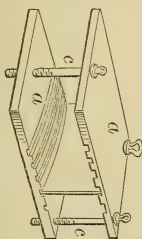
57955—S. B. B. Nowlan—Varnishing Cloth.



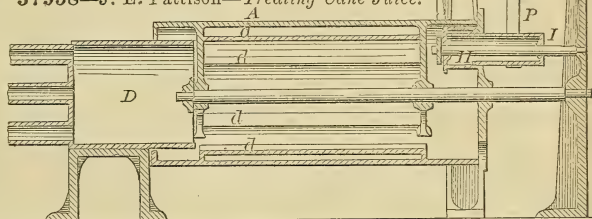
57957—C. Parker—Vise.



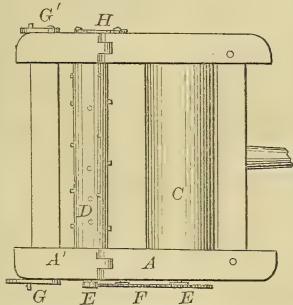
57963—A. C. Platt—  
Photograph Dryer



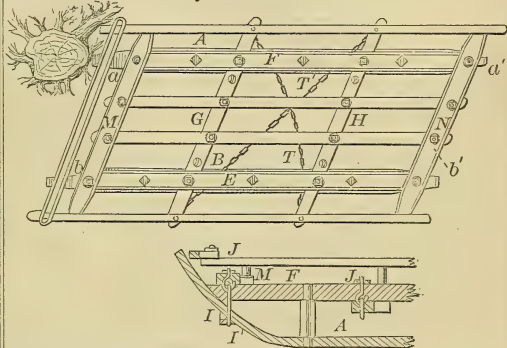
57958—J. E. Pattison—Treating Cane Juice.



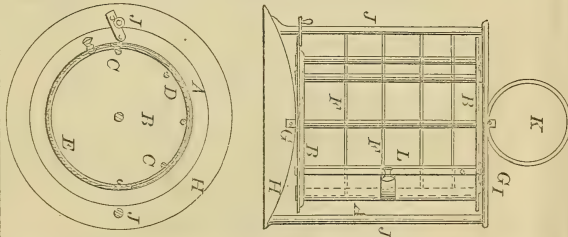
57961—A. Pierce—Combined  
Harrow and Marker.



57959—F. Peabody—Sled.

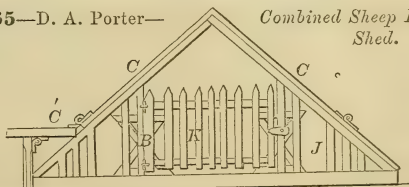


57964—B. F. Porter—Table Stand for Food.

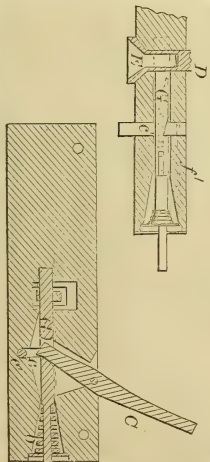


57965—D. A. Porter—

Combined Sheep Rack and  
Shed.



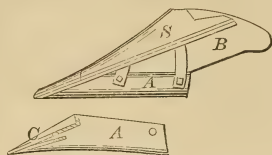
57962—A. Pierce—Car Coupling.



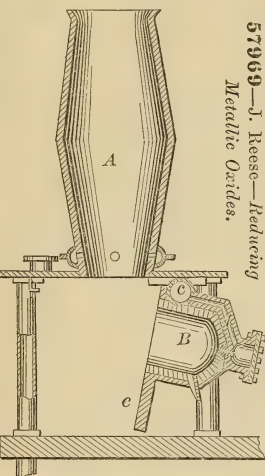
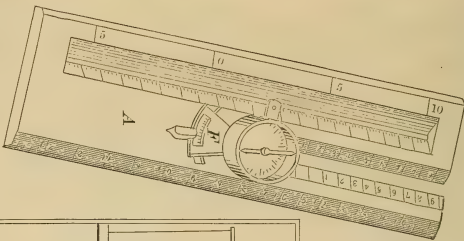
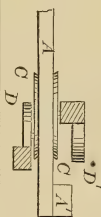
57966—T. T. Prosser—Screw.



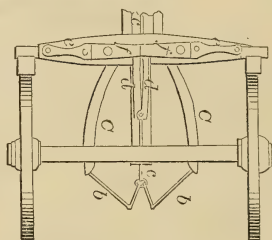
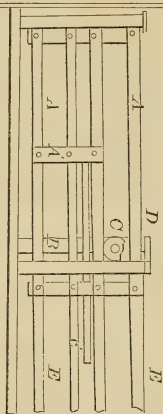
57968—T. Rams—Plow.



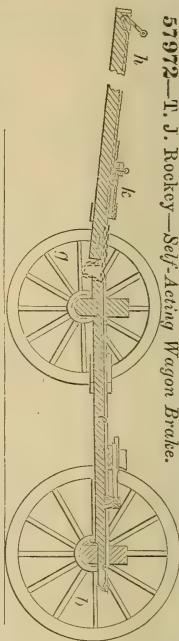
57970—J. Reid—Mariner's Compass Scale.

57969—J. Reese—Reducing  
Metallic Oxides.

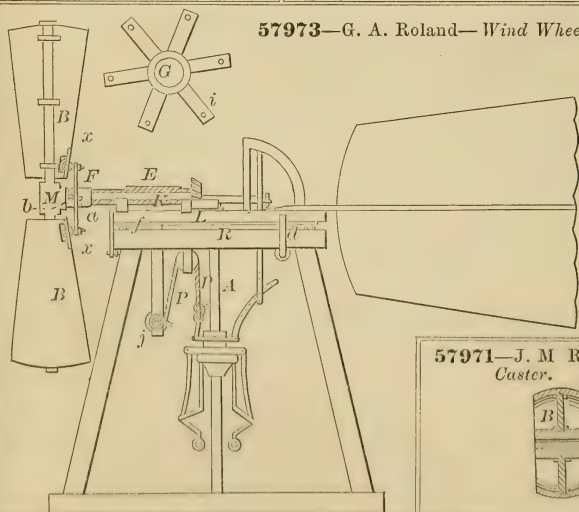
57967—S. Puffer—Gate.



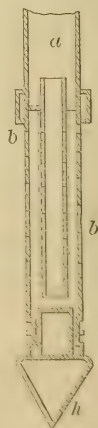
57972—T. J. Rokey—Self-Acting Wagon Brake.



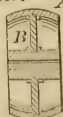
57973—G. A. Roland—Wind Wheel.



57974—T. Rose—Separating Sand from Water in Wells.

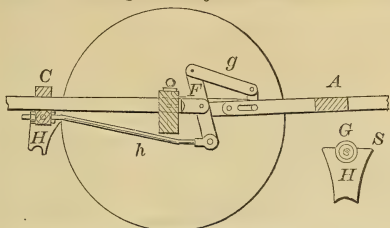


57971—J. M. Riley—Caster.

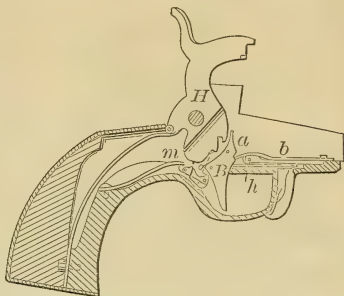




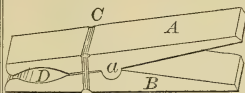
57975—D. Sager—Wagon Brake.



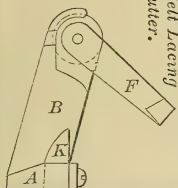
57978—F. Schenck—Gun Lock.



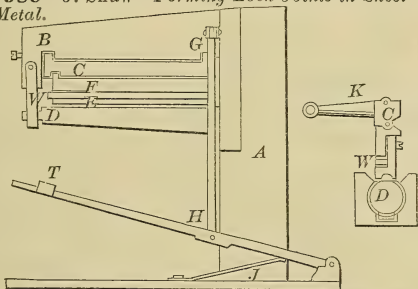
57977—R. S. Sanborn—Clothes Pin.



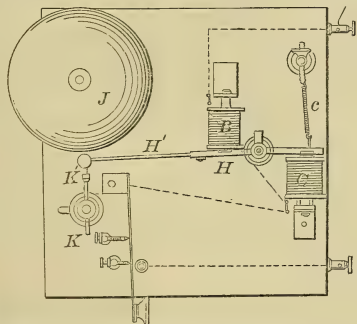
57976—T. F. Sanborn—Belt Lacing Cutter.



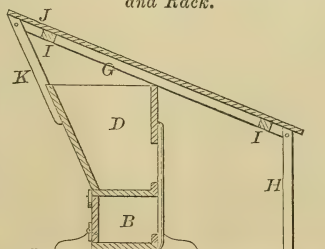
57980—J. Shaw—Forming Lock Joints in Sheet Metal.



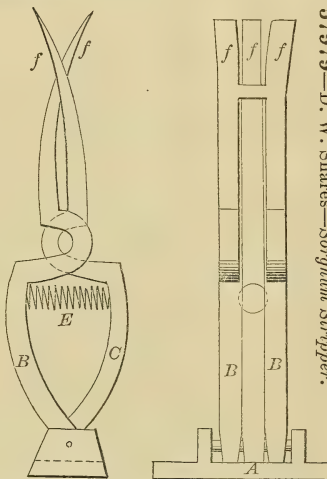
57981—Shaw, Morly & Cushman—Telegraphic Fire Alarm.



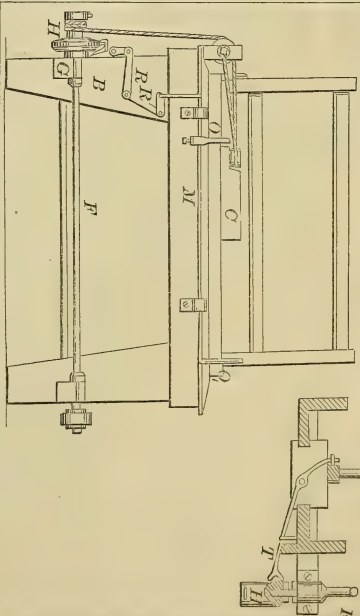
57983—T. P. Sibley—Combined Sheep Shed and Rack.



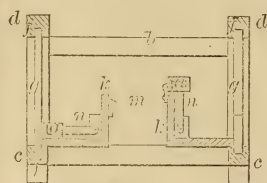
57979—D. W. Shares—Sorghum Stripper.



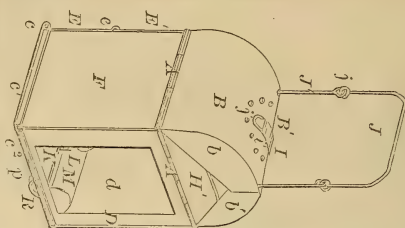
57984—Simpson, Oman & Foreman—Turning Lathe.



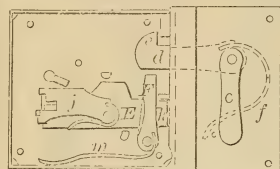
**57985**—E. & D. Skeels—  
*Sheep Rack.*



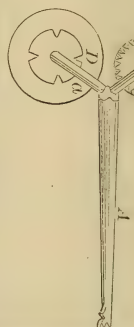
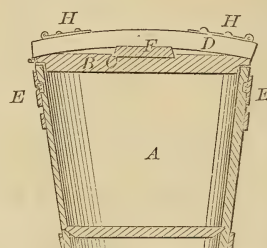
**57988**—W. P. Smith—*Lantern.*



**57986**—T. Slight—*Baggage Car Door Lock.*

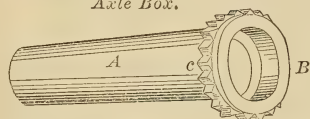


**57989**—S. E. Southland—  
*Covered Tub for Butter and Lard.*

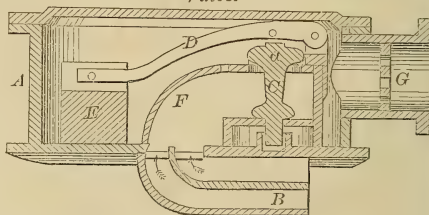


**57990**—Stephen & Zoller—  
*Pie Runner.*

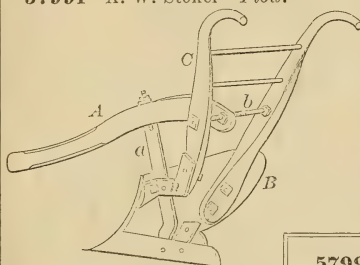
**57987**—A. E. Smith—*Wagon Axle Box.*



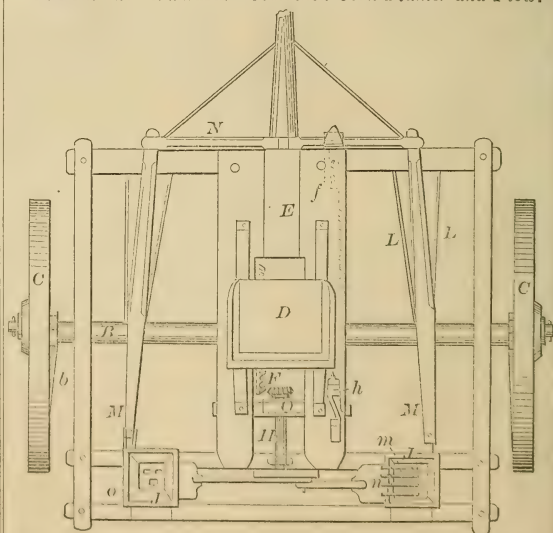
**57993**—S. Stucky—*Steam Generator Safety Valve.*



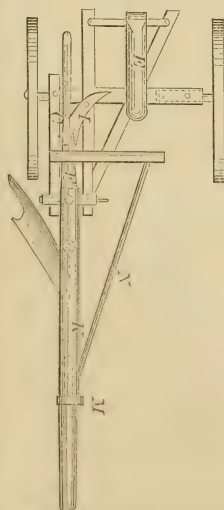
**57991**—A. W. Stoker—*Plow.*



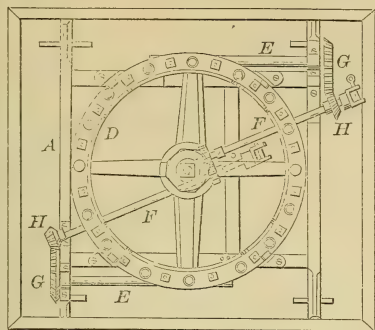
**57994**—S. M. Swartz—*Combined Corn Planter and Plow.*



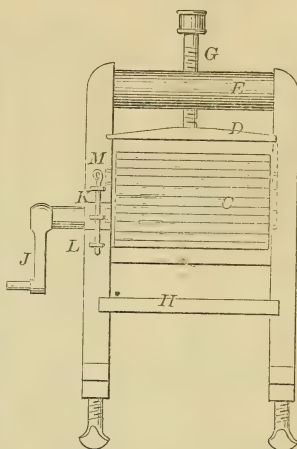
**57992**—S. Stout—*Sulkey Plow.*



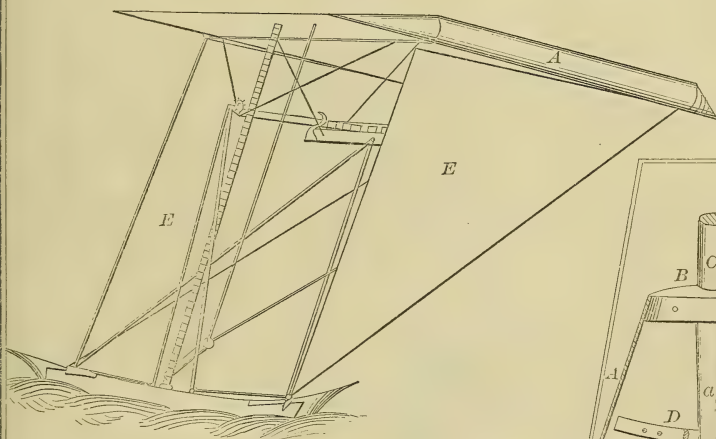
57995—J. B. Sweetland—*Horse Power.*



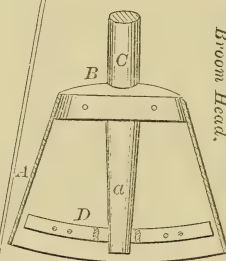
58000—G. H. Tift—*Meat Mangler.*



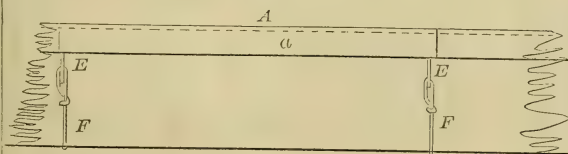
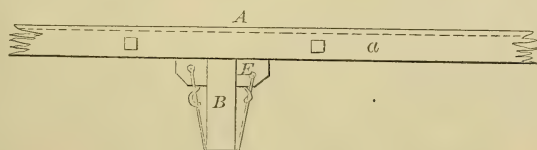
57996—C. W. Sykes—*Marine Balloon.*



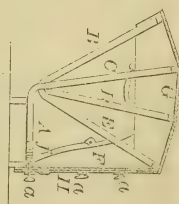
57998—Taylor & Lafferty—*Broom Head.*



57997—G. Taylor—*Malt Kiln Floor.*

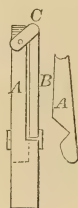


58001—A. R. Tully—*Wagon Top.*

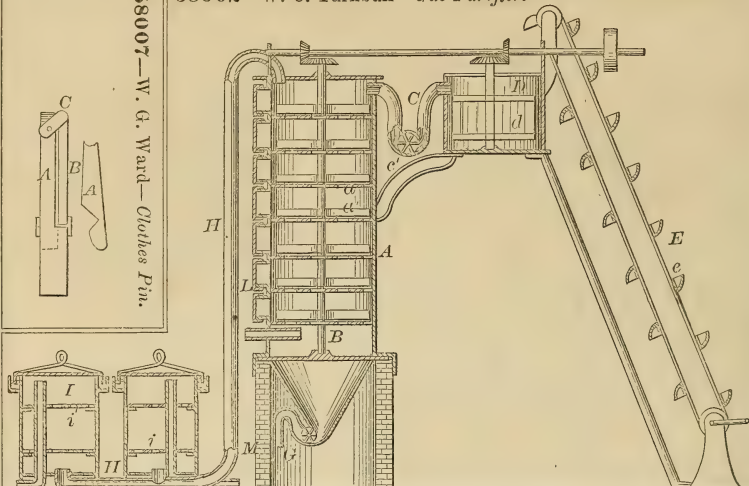




58007—W. G. Ward—Clothes Pin.



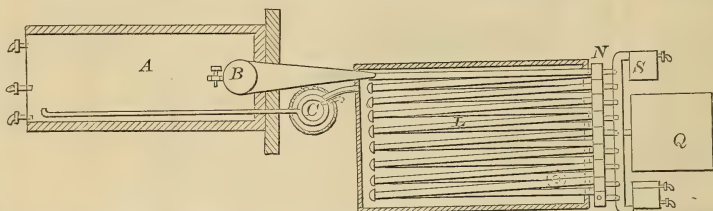
58002—W. C. Turnbull—Gas Purifier.



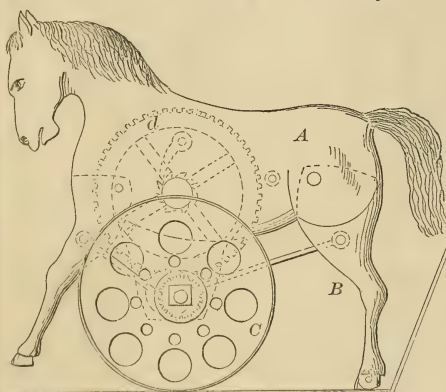
58004—H. Underwood—Lap Joint for Belting.



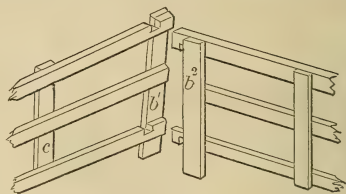
58005—P. H. V. Weyde—Distilling Petroleum and other Liquids.



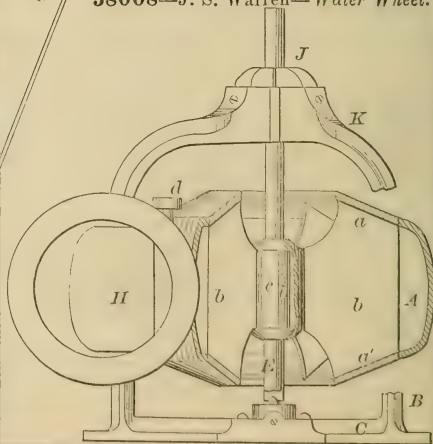
58006—H. S. Vrooman—Mechanical Toy.



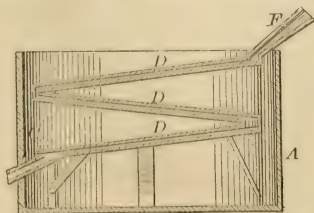
58003—W. Tuttle, Jr.—Fence.



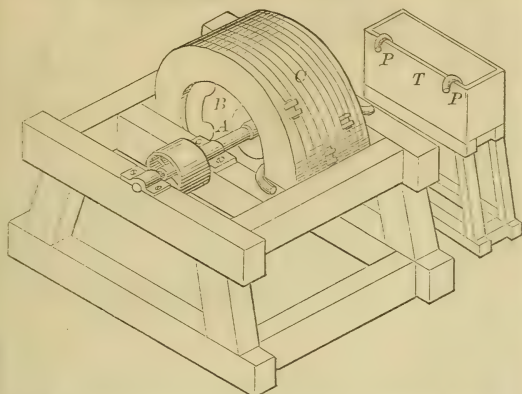
58008—J. S. Warren—Water Wheel.



58009—J. C. Wharton—Condenser.



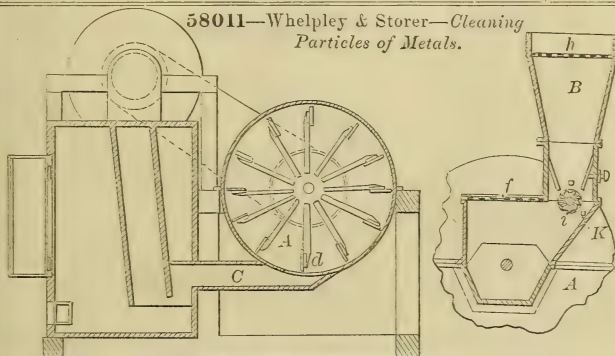
58010—Whelpley & Storer—Amalgamator.



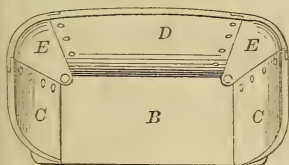
58013—J. Whiteside—Fence.



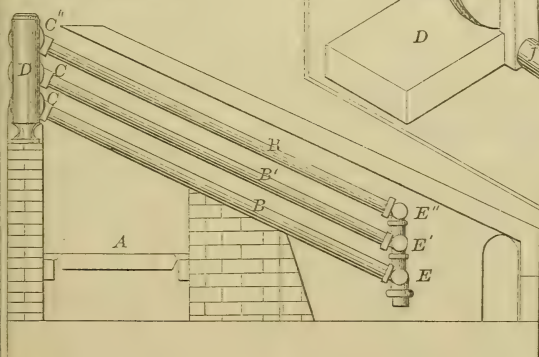
58011—Whelpley & Storer—Cleaning  
Particles of Metals.



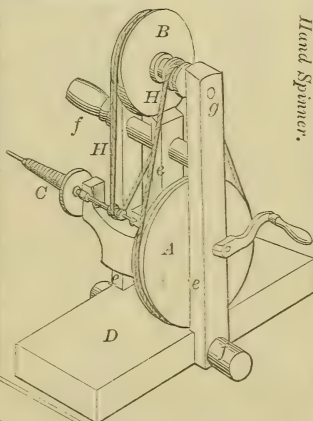
58016—L. J. Woodruff—  
Carriage Seat.



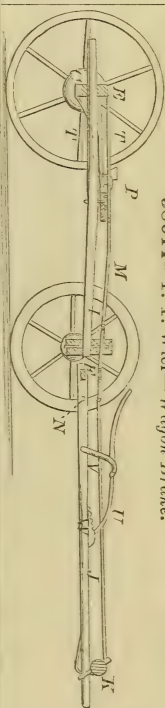
58017—C. S. Bell—Steam  
Generator.



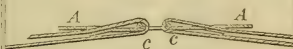
58015—Wilson & Fairbanks—  
Hand Spinner.

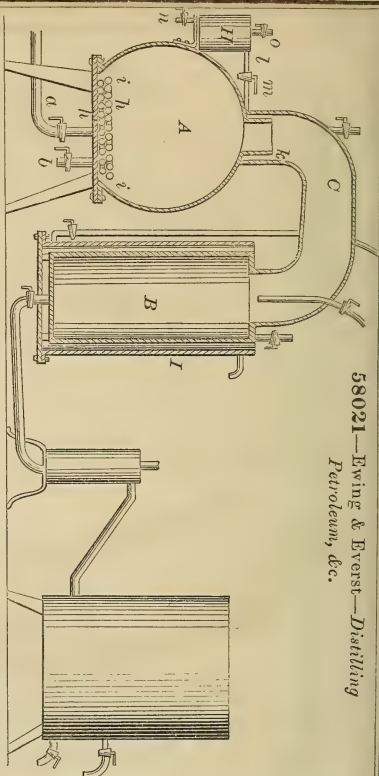
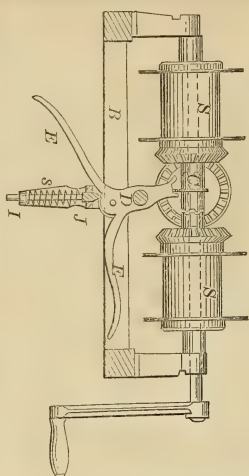
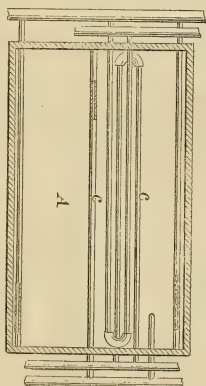
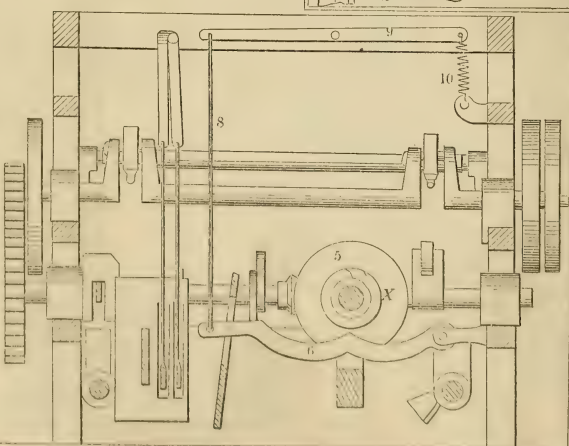
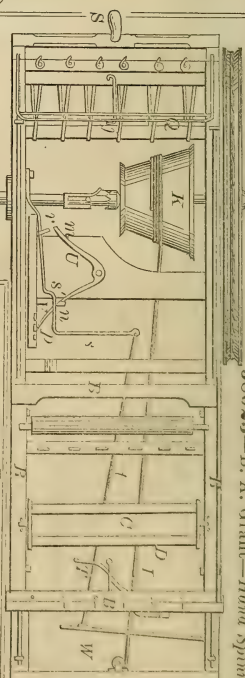


58014—T. T. Wier—Wagon Brake.



58018—T. B. Bunting—Bale  
Fastening.



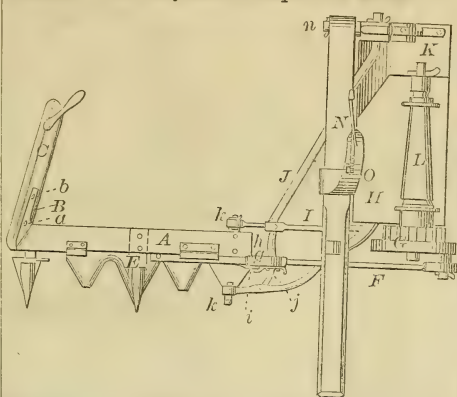
58021—Ewing & Everst—Distilling  
*Petroleum, &c.*58022—S. C. Goodsell—*Flute.*58019—G. B. Curtis—*Water Elevator.*58020—M. P. Ewing—*Lubricating Material.*58024—J. B. Kershaw—*Loom.*58023—B. A. Grant—*Hand Spinner.*



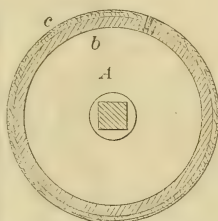
58025—W. T. Nicholson—File.



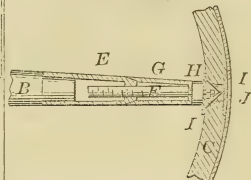
58026—G. S. Reynolds—Reaper and Mower.



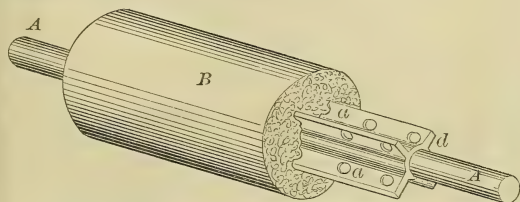
58028—Rust & Buzzee—Rubber Thread Cutter.



58030—R. Walker—Carriage Wheel.



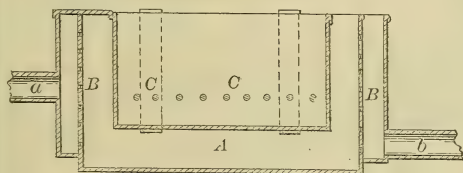
58027—H. Robbins—Wringer Roller.



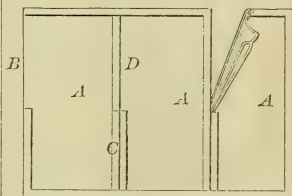
58029—E. J. Steele—Window Shade Fastening.



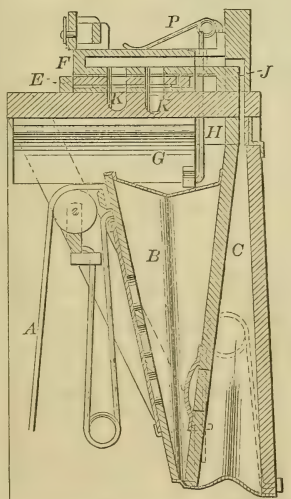
58031—Whysall & Porritt—Tempering Springs.



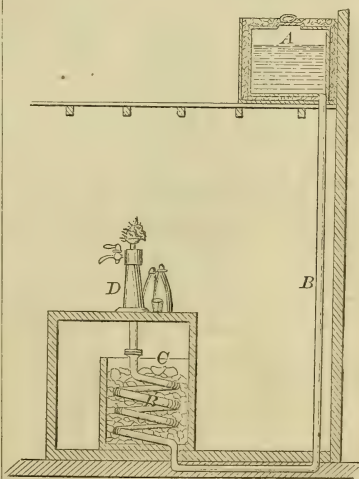
58035—G. Köttgen—Seamless Pocket.



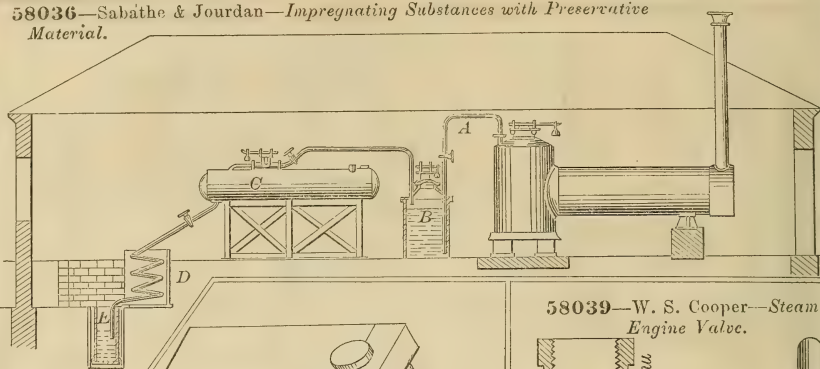
58032—G. Woods—Musical Instrument.



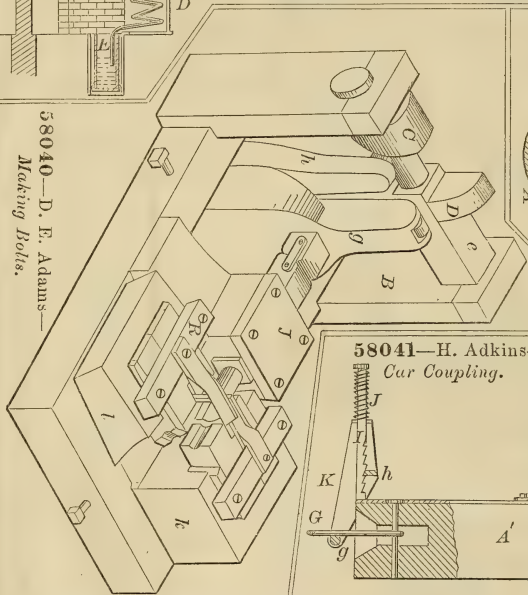
58033—E. B. Wright—Soda Fountain.



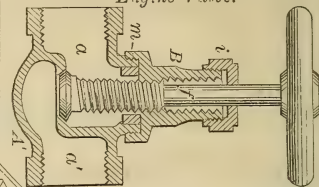
58036—Sabathe & Jourdan—*Impregnating Substances with Preservative Material.*



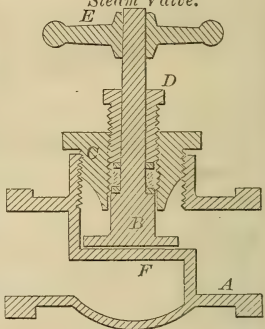
58040—D. F. Adams—*Making Bolts.*



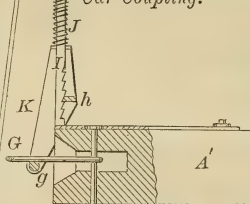
58039—W. S. Cooper—*Steam Engine Valve.*



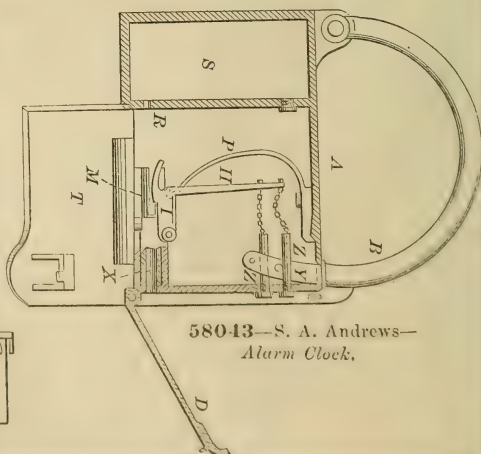
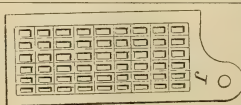
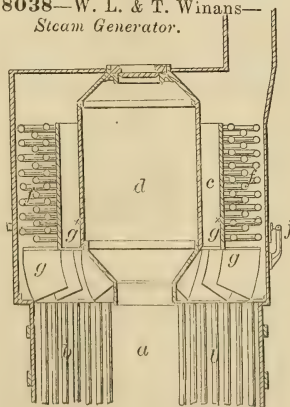
58042—J. O. Altie—*Globe Steam Valve.*



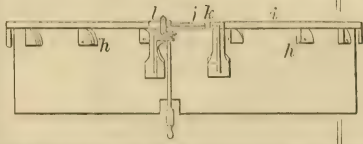
58041—H. Adkins—*Car Coupling.*



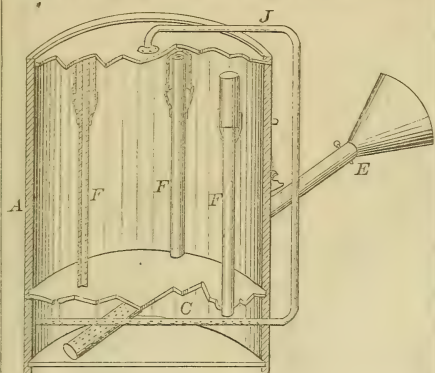
58038—W. L. & T. Winans—*Steam Generator.*



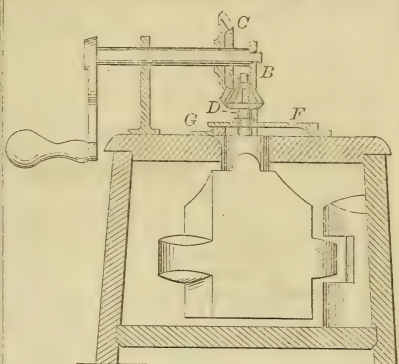
58043—S. A. Andrews—*Alarm Clock.*



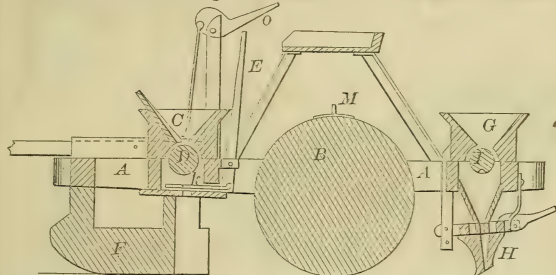
58044—E. Arleth—Making Vinegar.



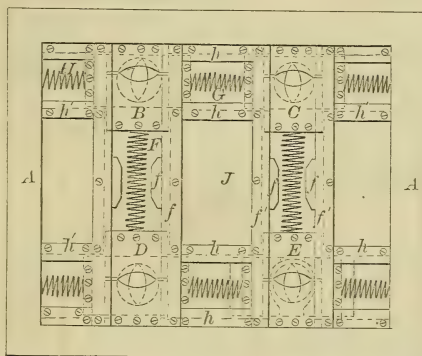
58047—J. A. Balzart—Churn.



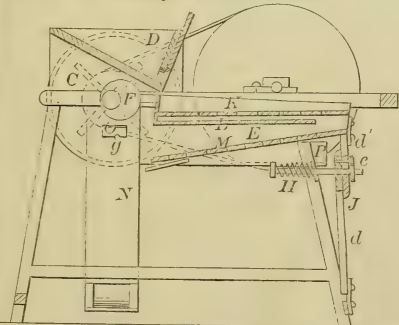
58045—A. Armstrong—Combined Seed Drill and Cultivator.



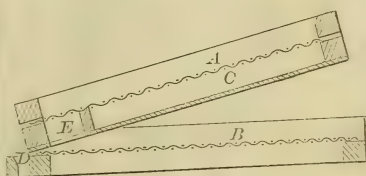
58049—W. N. Barr—Cane Stripper.



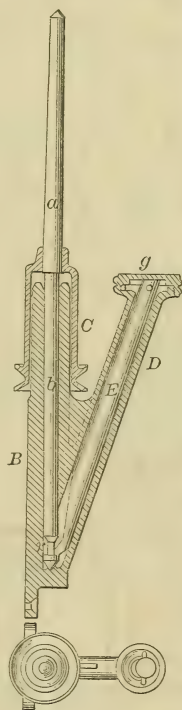
58048—B. Barney—Grain Cleaner.



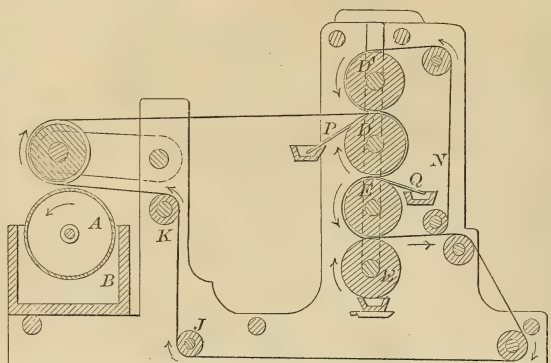
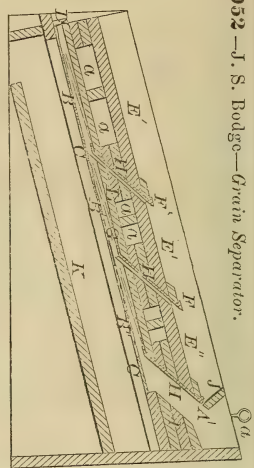
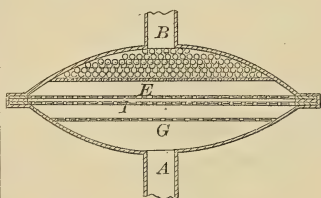
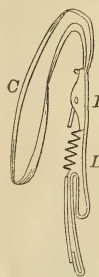
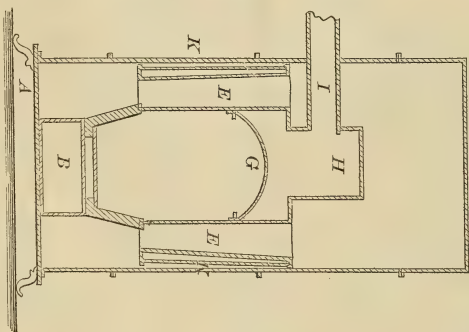
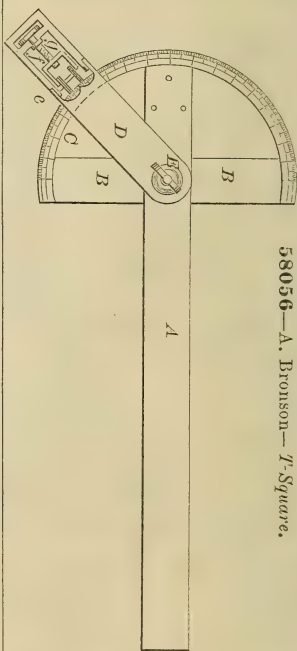
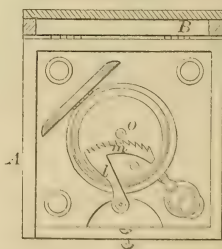
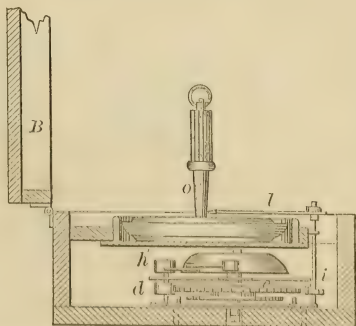
58050—C. F. Baylor—Grain Screen.



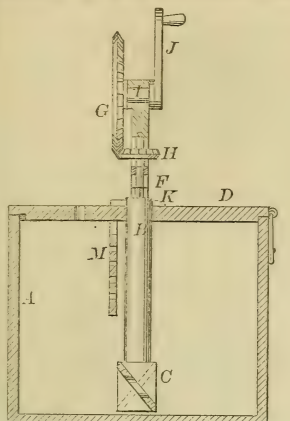
58046—J. E. Atwood—Spinning Frame Spindle.



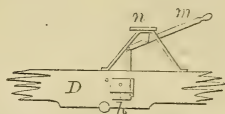
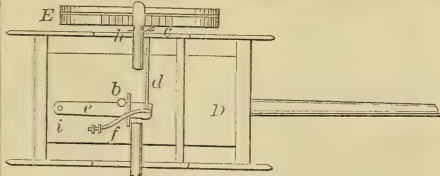


58051—E. B. Bingham—*Paper Making Machine.*58052—J. S. Bodge—*Grain Separator.*58053—J. F. Boynton—*For Gas Machines and Carburetors.*58053—P. J. Boris—*Skirt Elevator.*58057—B. Brownell—*Hot Air Furnace.*58056—A. Bronson—*Y-Square.*58058—J. E. Buerk—*Alarm Clock.*

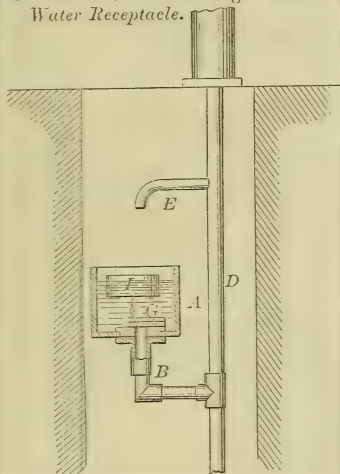
58059—W. & D. C. Burson—Churn.



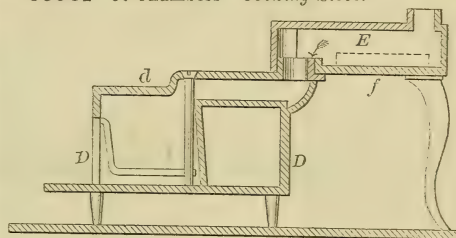
58060—W. F. Caldwell—Planter



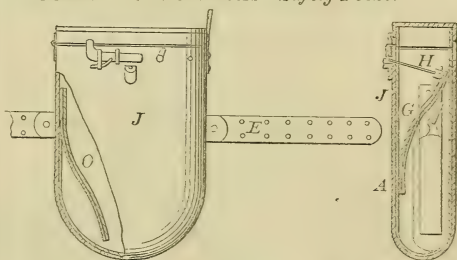
58063—D. P. Chesbrough—Waste Water Receptacle.



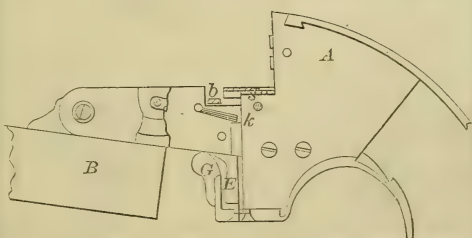
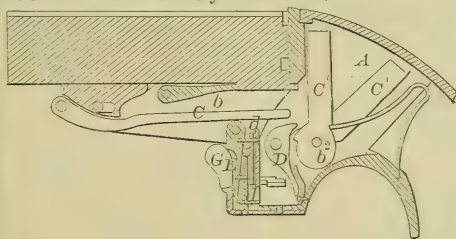
58061—J. Chambers—Cooking Stove.



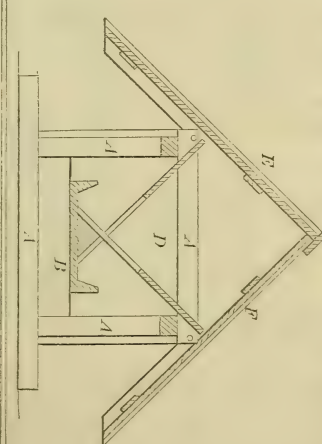
58062—J. T. Chambers—Safety Pocket.

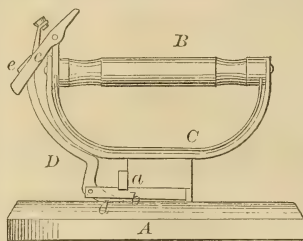
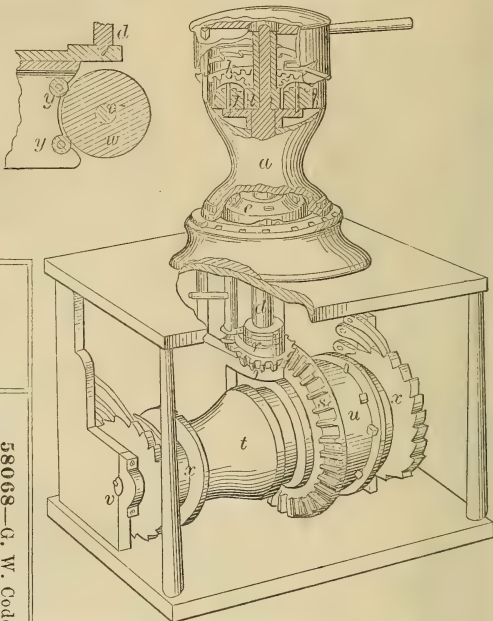
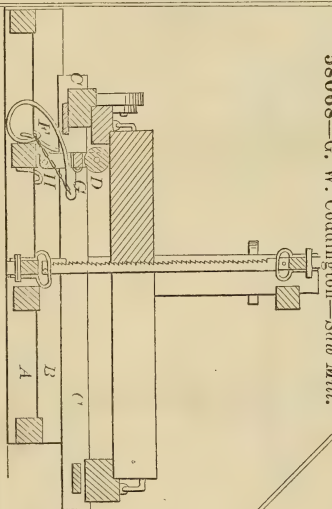
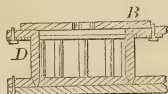
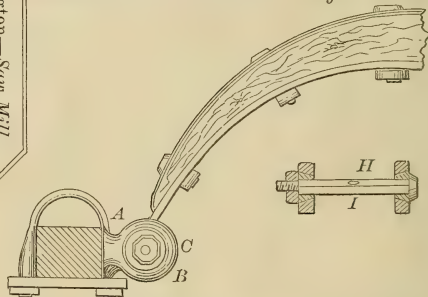
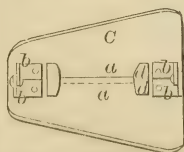
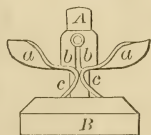
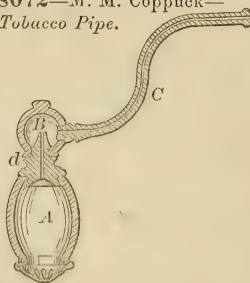
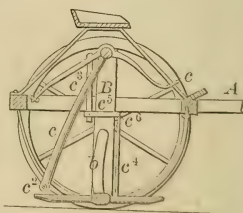
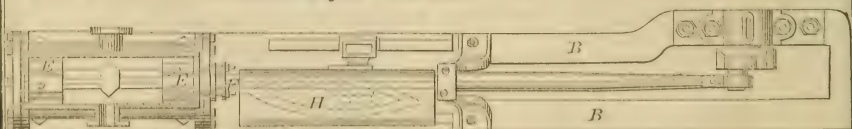


58064—W. J. Christy—Fire Arm.



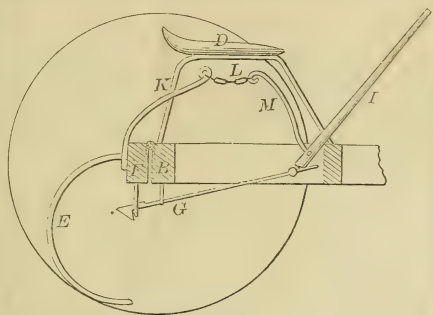
58065—M. C. Clark—Sheep Rack.



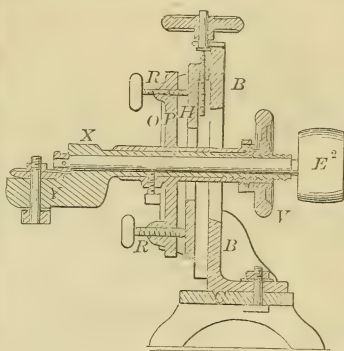
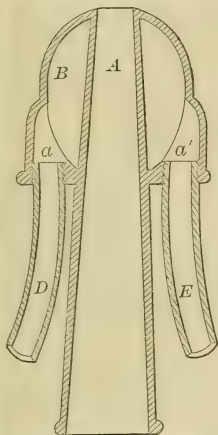
58066—H. Clarkson—*Sad Iron Handle.*58069—Z. E. Coffin—*Capstan Windlass.*58067—F. Closs—*Boot Heel.*58071—L. M. B. Coleman—*Wagon Shackle.*58070—E. T. Colburn—*Sad Iron.*58072—M. M. Coppuck—*Tobacco Pipe.*58073—N. C. Decker—*Horse Rake.*58074—W. Dennison—*Steam Engine Valve Gear.*



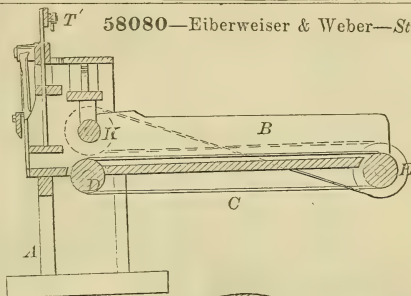
58075—J. Dillier—*Horse Rake.*



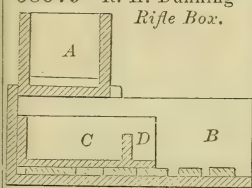
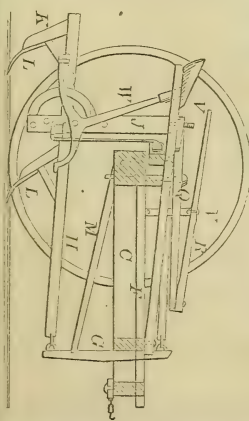
58076—J K. Dirner—*Key Seat Cutter.*

58077—L. A. Dole—*Tugere*.

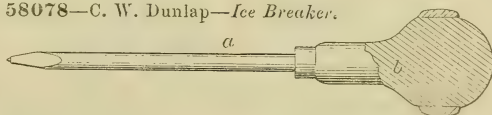
58080—Eiberweiser & Weber—*Straw Cutter.*



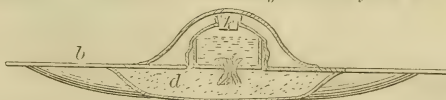
58079—R. H. Dunning—  
 Rifle Box.

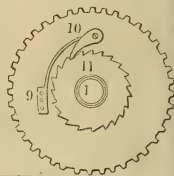
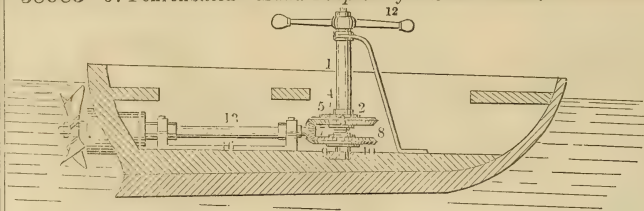
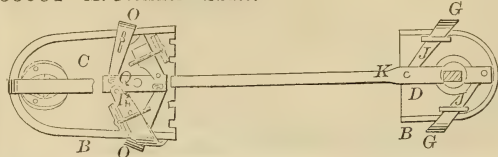
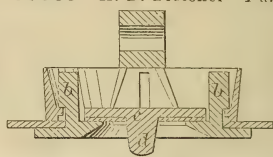
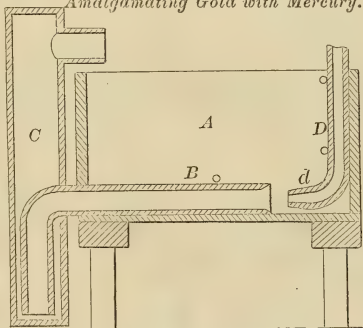
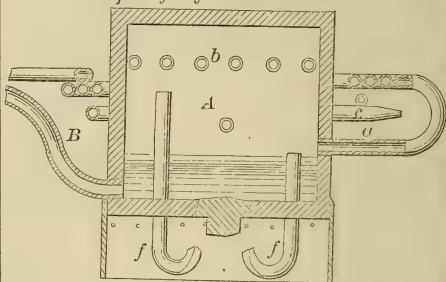
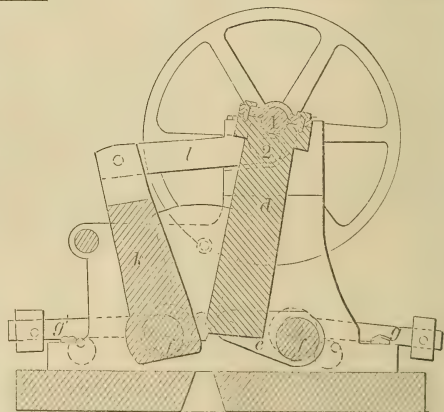
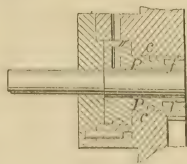
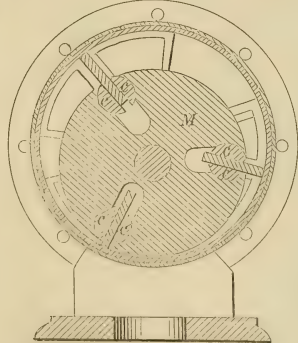
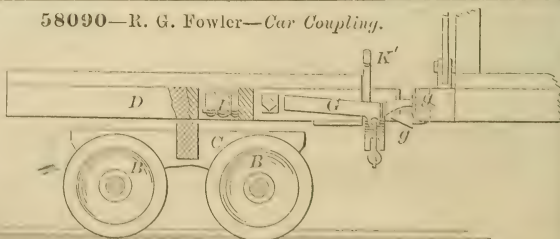
58082—S. P. Eiter—*Cultivator*.

58078—C. W. Dunlap—*Ice Breaker.*

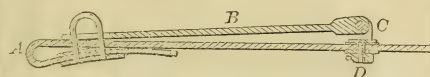


58081—C. Elveena—*Protecting Animals from the Sun.*

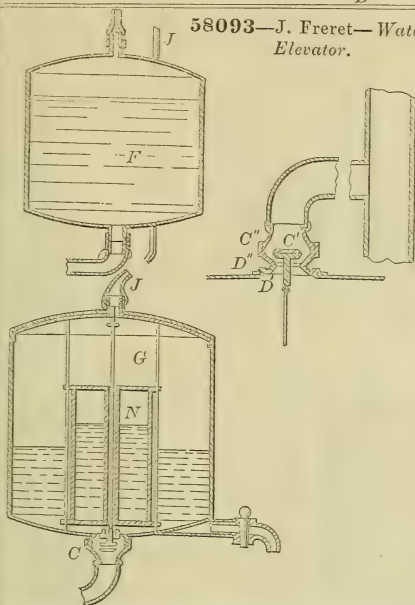


58083—J. Fehrenbach—*Hand Propeller for Small Boats.*58084—M. Fleisher—*Skate.*58085—A. F. Fletcher—*Pump.*58088—Foreman & Mathowson—*Amalgamating Gold with Mercury.*58087—H. R. Foote—*Generating and Burning Vapor of Hydro Carbon Oil.*58089—J. Fowler—*Ore or Quartz Crusher.*58086—M. Fletcher—*Rotary Steam Engine.*58090—R. G. Fowler—*Car Coupling.*

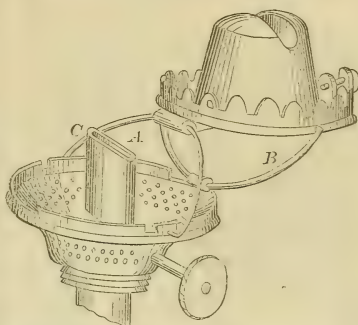
58091—L. Fox—Mail Bag Clasp.



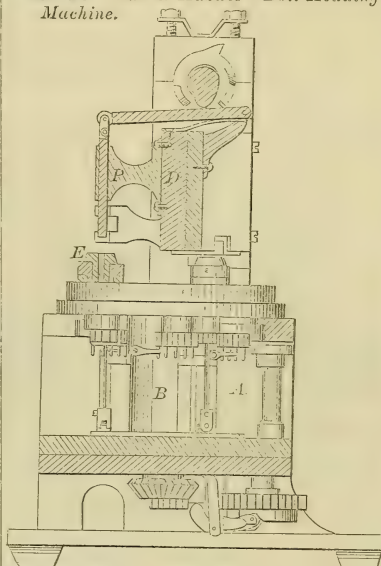
58093—J. Freret—Water Elevator.



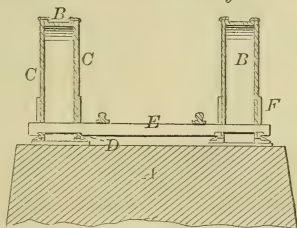
58097—T. Hall—Lamp Burner.



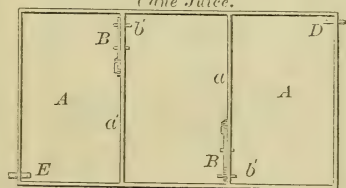
58096—Hall & Hubner—Bolt Heading Machine.



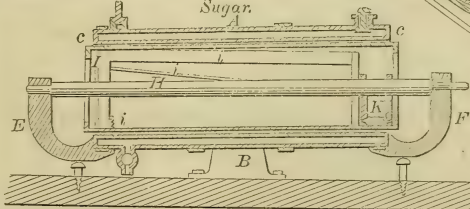
58094—J. H. Gilbert—Bridge.



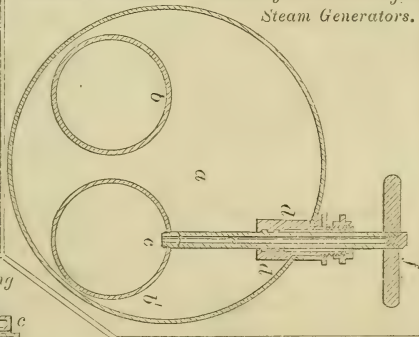
58095—H. Gortner—Separating Gum from Cane Juice.



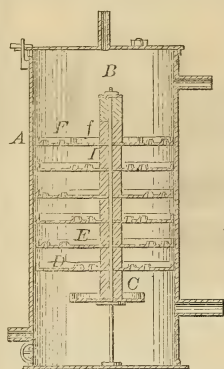
58098—J. Hanford—Granulating and Drying Sugar.



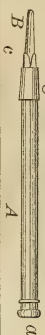
58092—J. French—Inserting Fusible Plugs in Steam Generators.





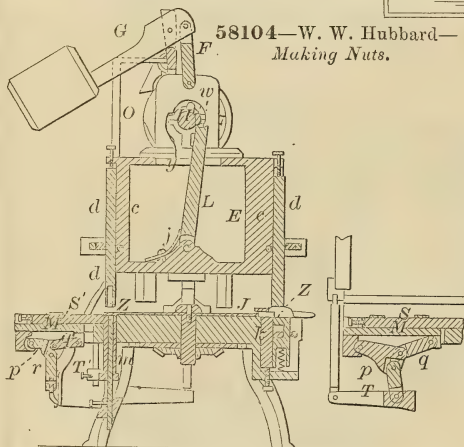
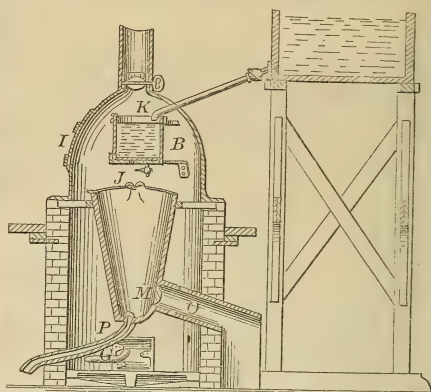


58099—Haseoster & Stephens—*Feed Water Heater.*



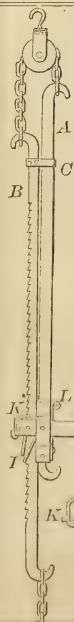
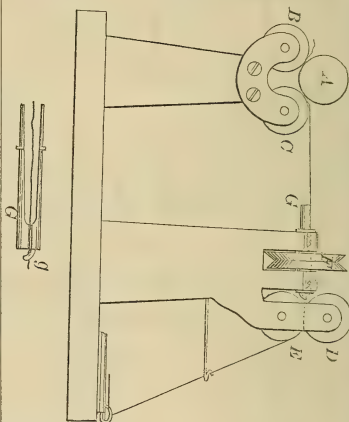
58102—L. W. Holly—*Pencil Holder.*

58100—J. A. Hitchings—*Desulphurizing Ore.*



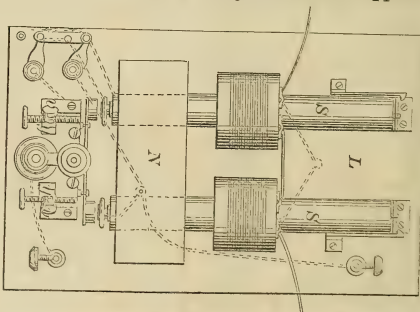
58104—W. W. Hubbard—*Making Nuts.*

58101—C. B. Hoard—*Spinner.*

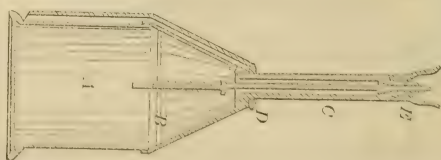


58103—G. L. Howland—*Hoisting Apparatus.*

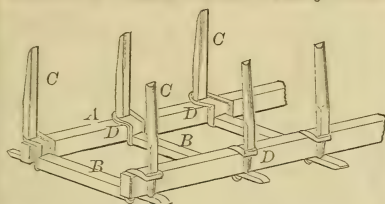
58105—J. Kidder—*Magneto-Electric Apparatus.*



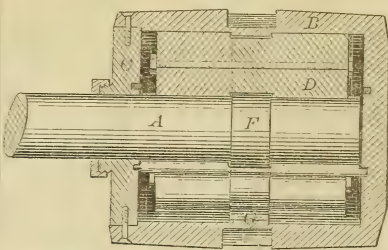
58107—P. Latlin—*Oiler.*



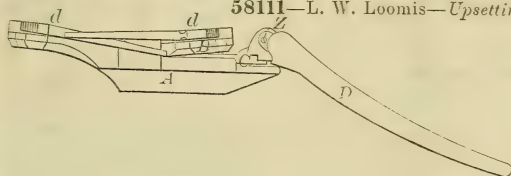
58108—A. Landis—Wood Hauling Rack.



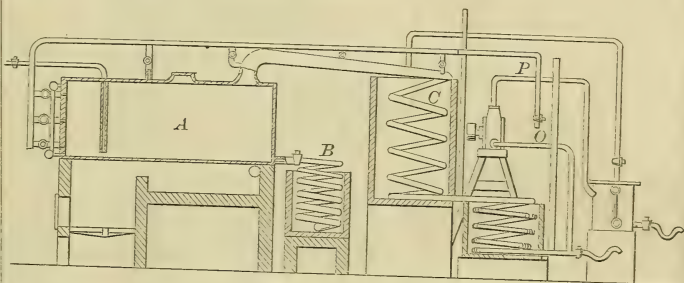
58109—H. M. Le Duc—Anti-Friction Journal Box.



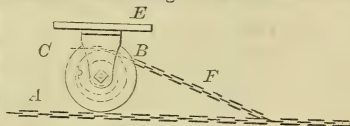
58111—L. W. Loomis—Upsetting Tires.



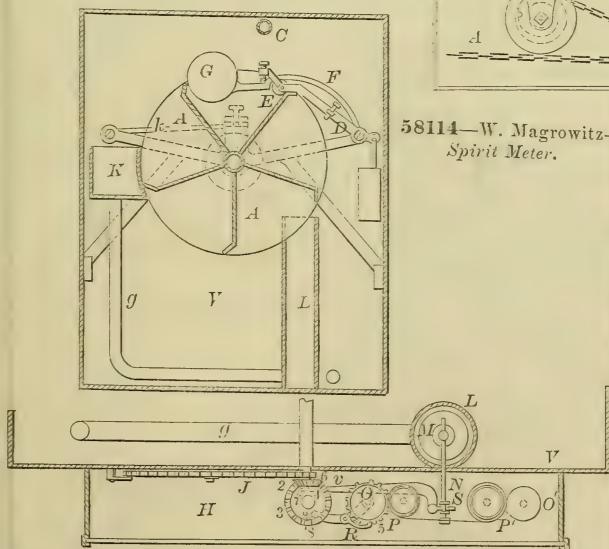
58113—O. Lugo—Distilling Petroleum, &c.



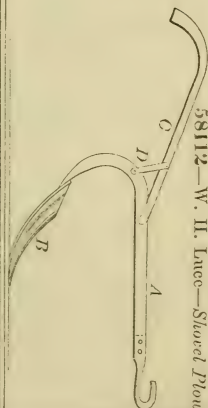
58115—Cambridge & Martin—Car Brake.



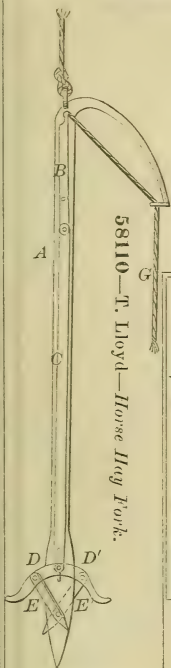
58114—W. Magrowitz—Spirit Meter.



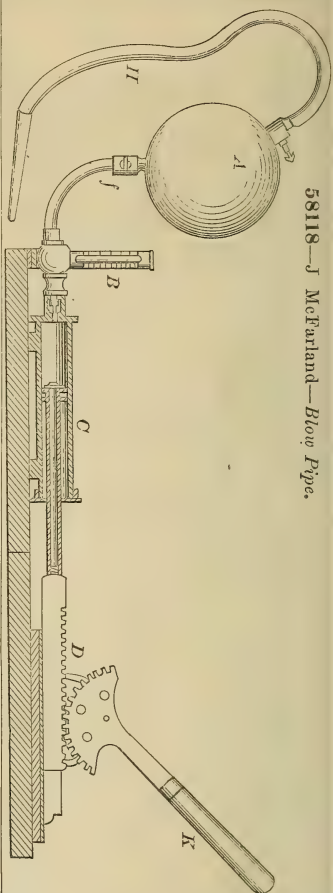
58112—W. H. Luce—Shovel Plow.



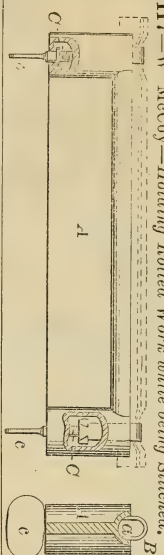
58110—T. Lloyd—Horse Hay Fork.



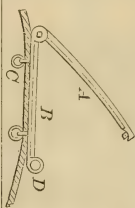
58118—J. McFarland—Blow Pipe.



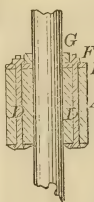
58117—W. McCoy—Holding Rolled Work while being Stitched.



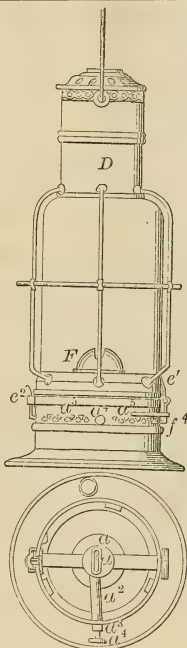
58120—J. Metzendorf—Safely Pocket Attachment.



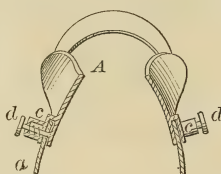
58116—E. P. McCarthy—One or Quartz Crusher.



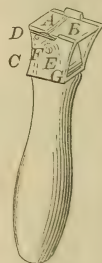
58122—F. Meyrose—Lantern.



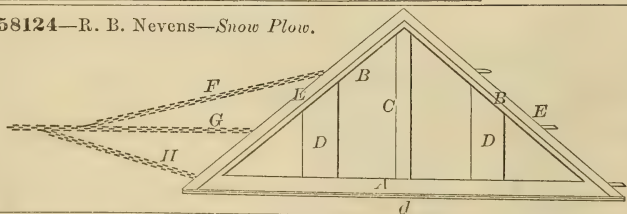
58121—J. Meyer—Saddle.



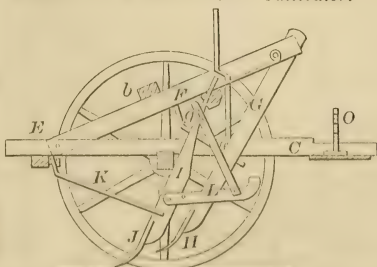
58123—S. Miller—Edge Plane.



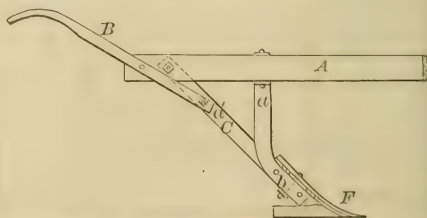
58124—R. B. Nevens—Snow Plow.



58125—D. J. Noble—Corn Cultivator.

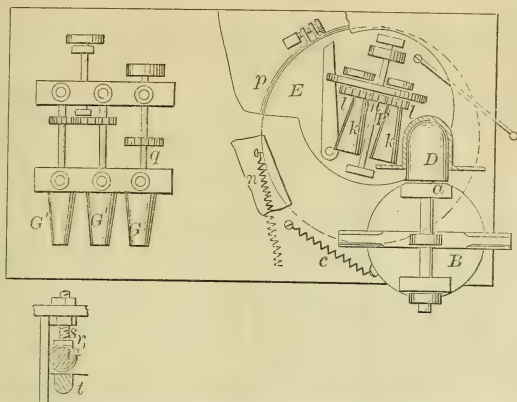


58119—F. W. McMeekin—Plow.

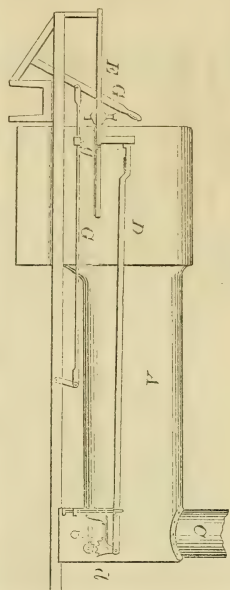




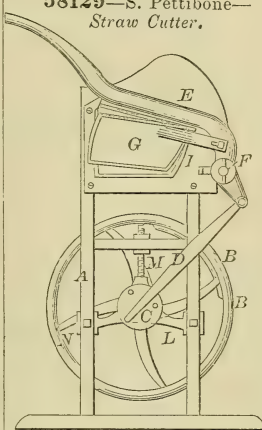
58126—E. Nougaret—*Hat Pouncer.*



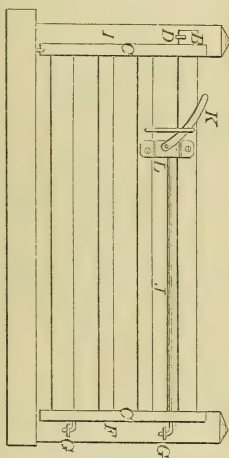
58127—J. C. Parker—*Locomotive.*



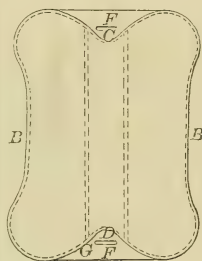
58129—S. Pettibone—*Straw Cutter.*



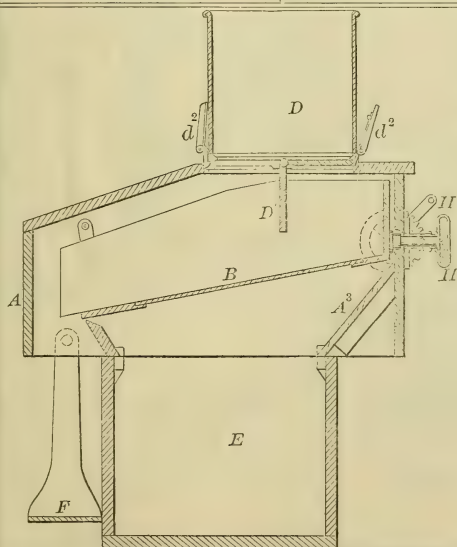
58130—P. Philippi—*Gate Fastening.*



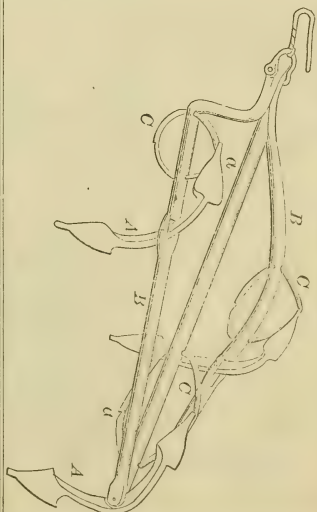
58131—C. F. Pidgeon—*Shirt Bosom.*

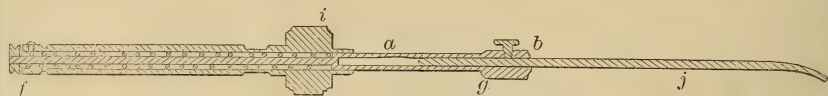
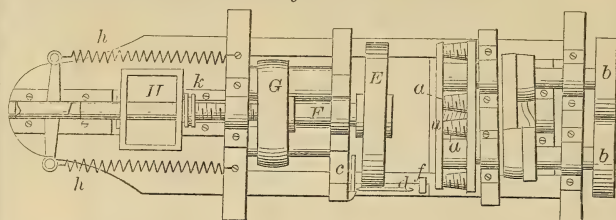
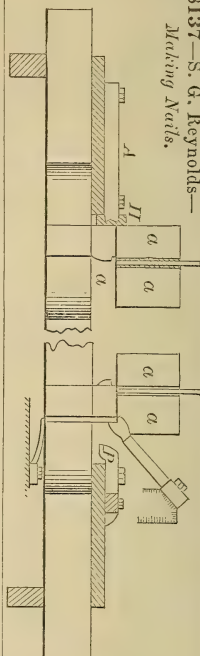
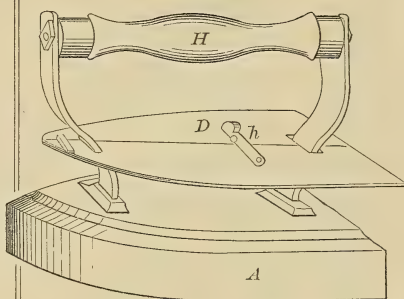
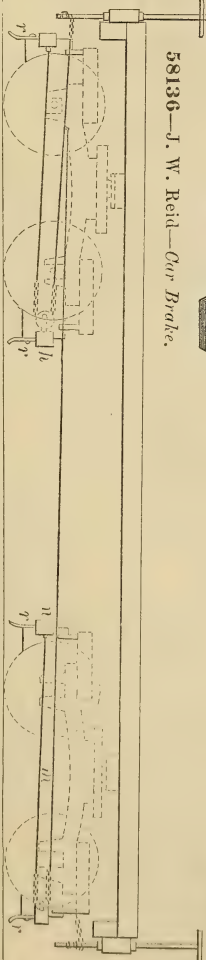
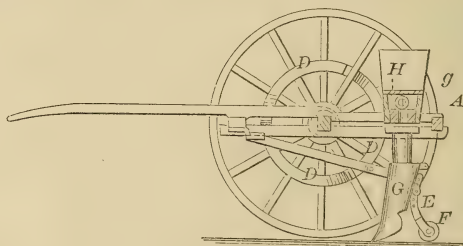
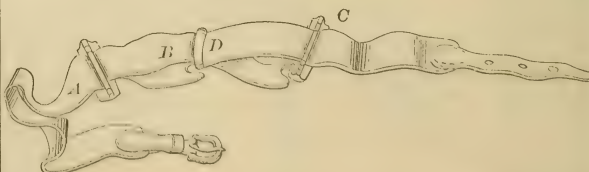


58132—C. L. Pierce—*Asi Sifter.*

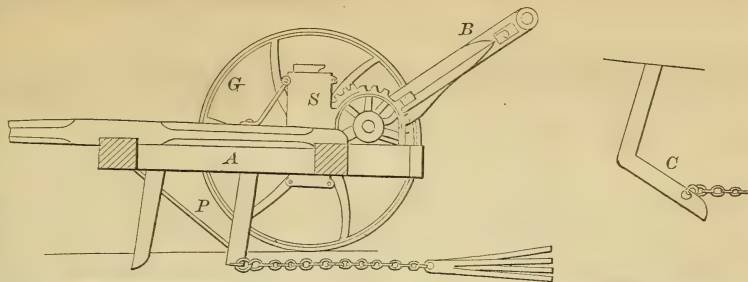


58128—G. C. Pattison—*Anchor.*

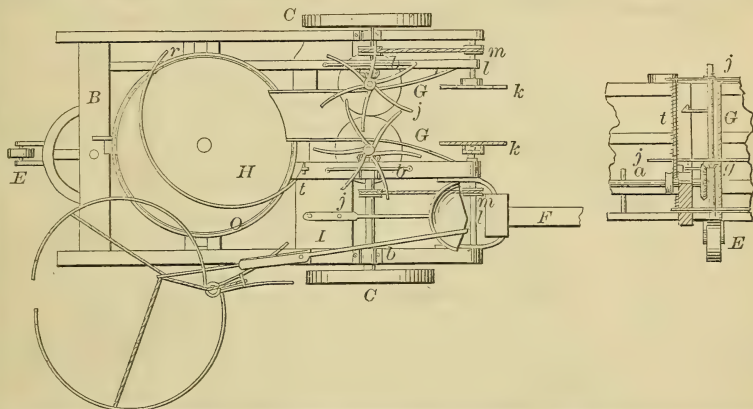


58133—C. Poor—*Dental Mallet.*58134—T. T. Prosser—*Making Screws.*58137—S. G. Reynolds—*Making Nails.*58138—E. B. Robinson—*Flat Iron.*58136—J. W. Reid—*Car Brake.*58135—A. Putnam—*Corn Planter.*58139—D. P. Rood—*Surcingle.*

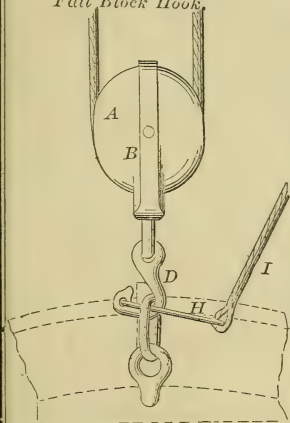
58140—D. C. Rosier—*Bean Harvester.*



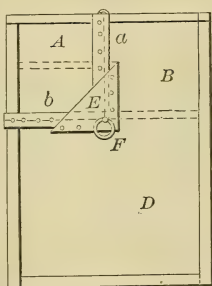
58143—S. Secrist—*Corn Harvester.*



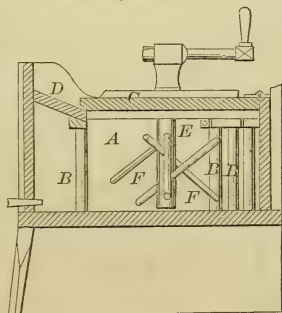
58142—W. R. Satterly—*Fall Block Hook.*



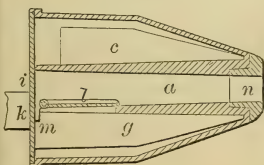
58141—A. V. Ryder—*Trunk.*



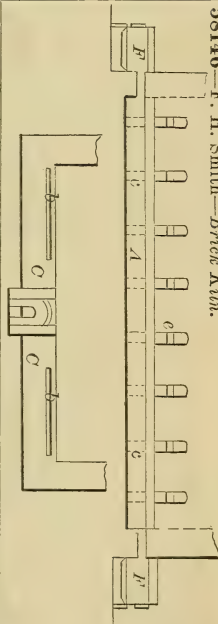
58144—H. Sidle—*Washing Machine.*



58145—Sinnott & McIntyre—*Tugere.*

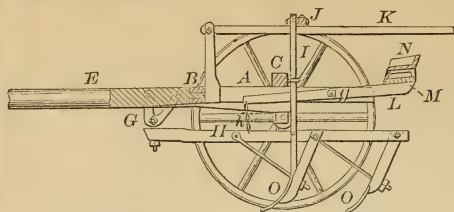


58146—F. H. Smith—*Brick Kiln.*

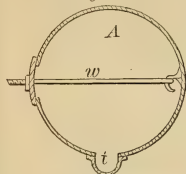




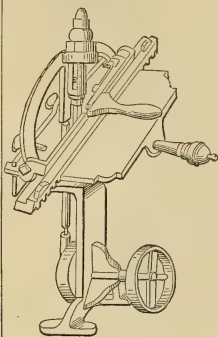
58147—A. Stark—Cultivator.



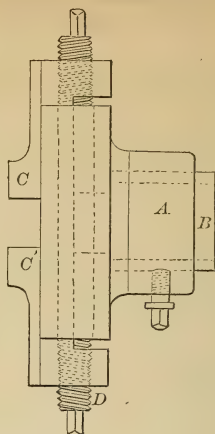
58149—S. G. Sturges—Amalgamator.



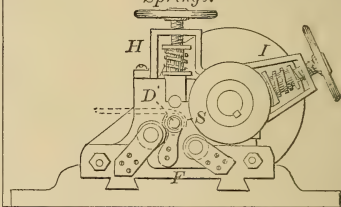
58151—A. Sweetland—Saw Filing Machine.



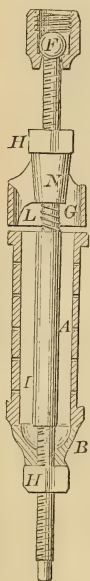
58152—F. H. Thorn—Chuck.



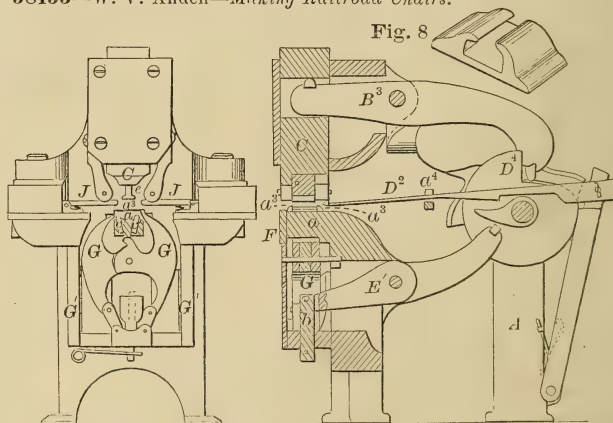
58156—Vose &amp; Toshach—Coiling Springs.



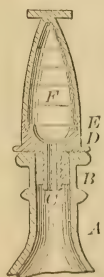
58150—J. W. Summers—Deep Well Pump.



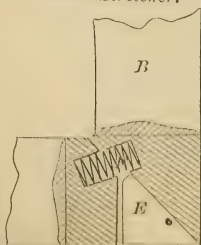
58155—W. V. Anden—Making Railroad Chairs.



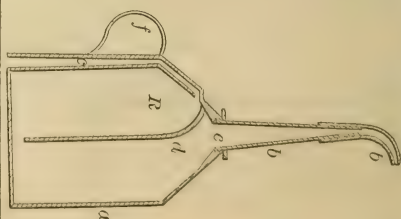
58153—S. L. Timmons—Bottle Stopper.



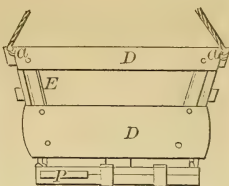
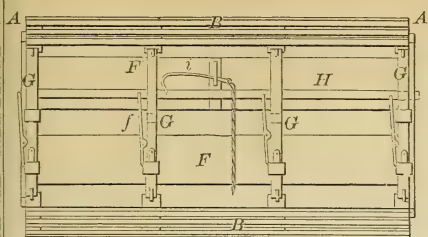
58154—J. E. Todd—Artist's Stretcher.



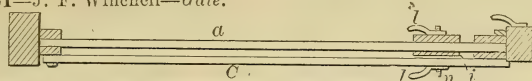
58157—J. E. Weaver—Oil Can and Oiler.



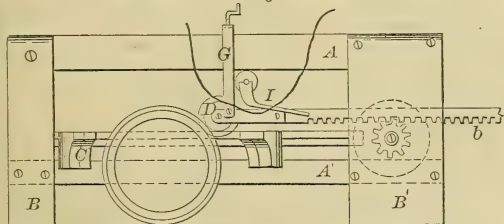
58158—D. N. Webster—Hay Rack.



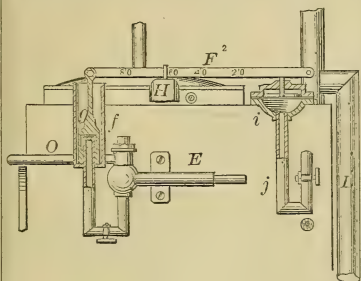
58161—J. F. Winchell—Gate.



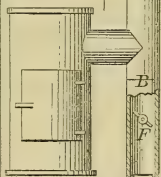
58162—F. M. Wood—Wiring Sheet Metal Pans.



58164—E. P. Chase—Steam Generator



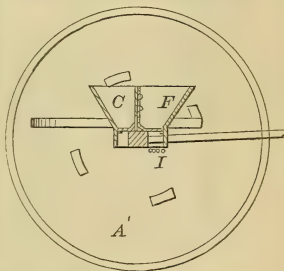
58159—A. A. Wilder—  
Ventilating Pipe for  
Stoves and Heaters.



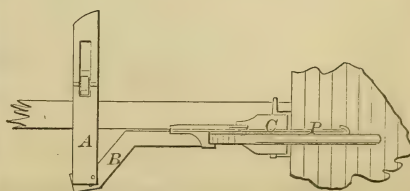
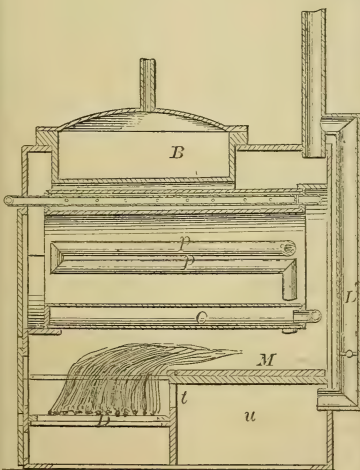
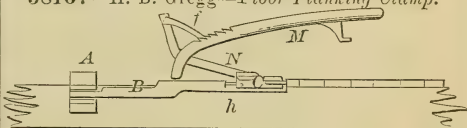
58160—J. T. Williams—Toy.



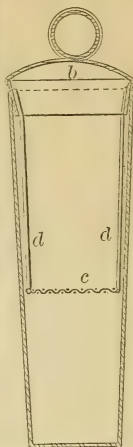
58166—A. J. Edgett—Corn  
Planter and Broadcast Seeder.

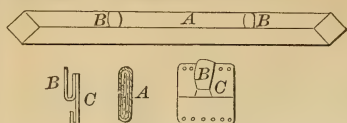
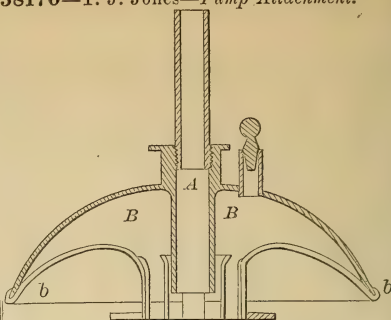
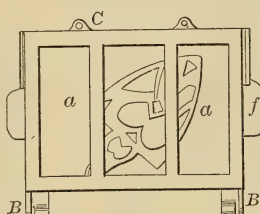
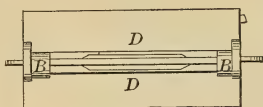
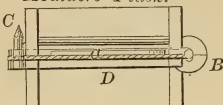
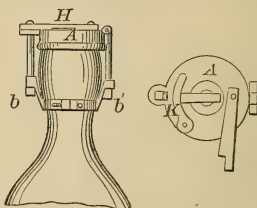
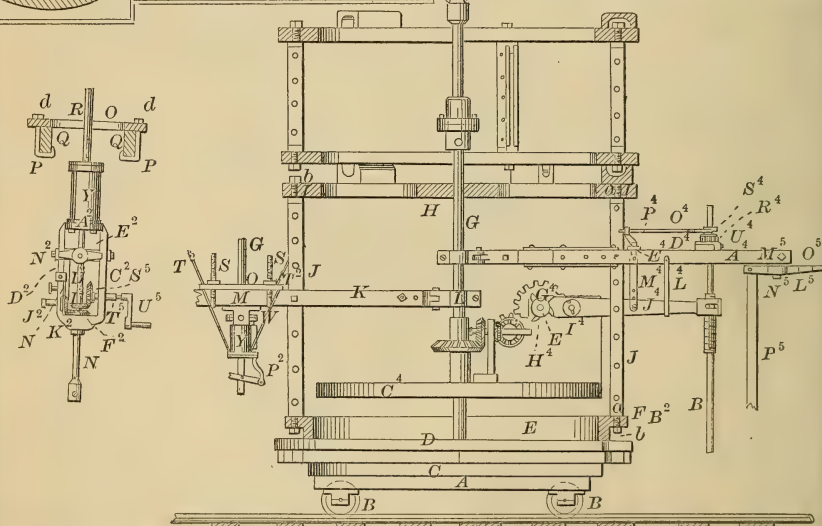
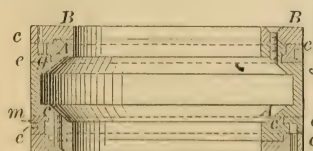
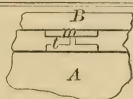
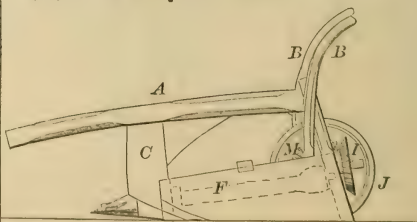


58167—H. B. Gregg—Floor Planking Clamp.



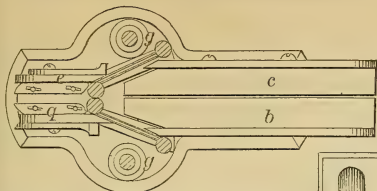
58165—C. M. Drennan—egg Beater.



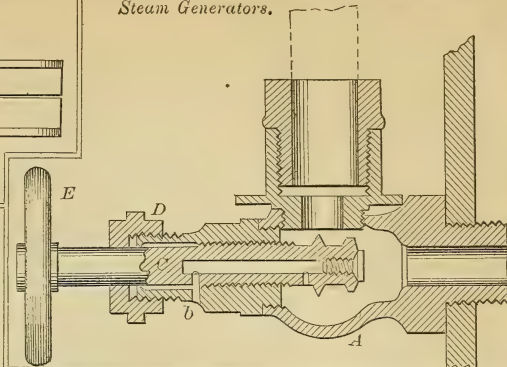
58168—I. W. Hamlet—*Neck Tie.*58170—T. J. Jones—*Pump Attachment.*58173—E. C. Little—*Moulders' Flask.*58174—J. Mulchahey—*Bottle Stopper.*58175—R. Nutty—*Drilling Machine.*58177—J. A. Quick—*Plow.*58176—  
W. A. & T. F. Powers—  
*Piston Packing.*



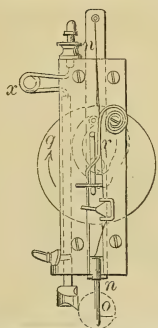
58178—T. K. Reed—Shoe Shanking.



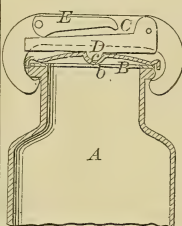
58179—T. Savill—Low Water Detector for Steam Generators.



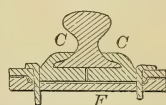
58181—S. M. Tyler—Sewing Machine.



58185—J. F. Winchell—Fruit Jar.



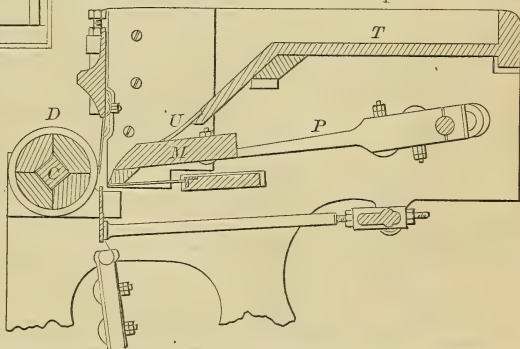
58184—T. Whittemore—Railway Chair.



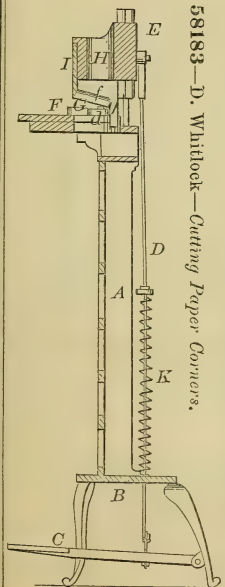
58182—S. M. Tyler—Sewing Machine Shuttle.



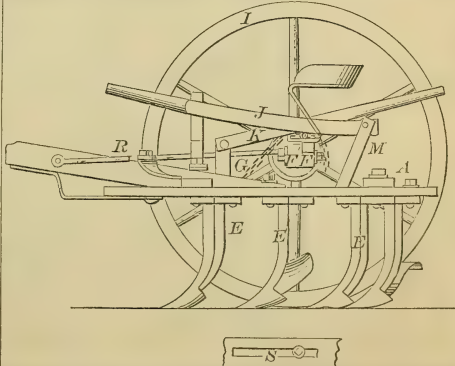
58187—Ackland, Mitchell & Mustapha—Cotton Gin.



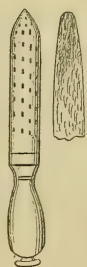
58183—D. Whitlock—Cutting Paper Corners.



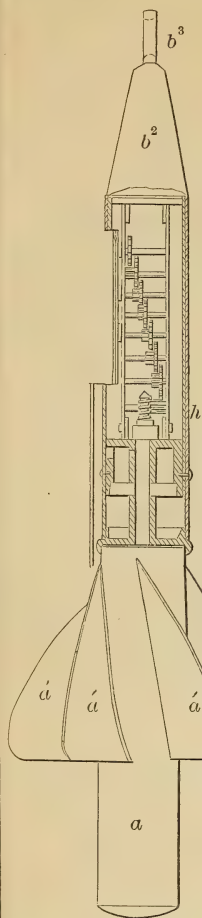
58188—A. Anderson—Cultivator.



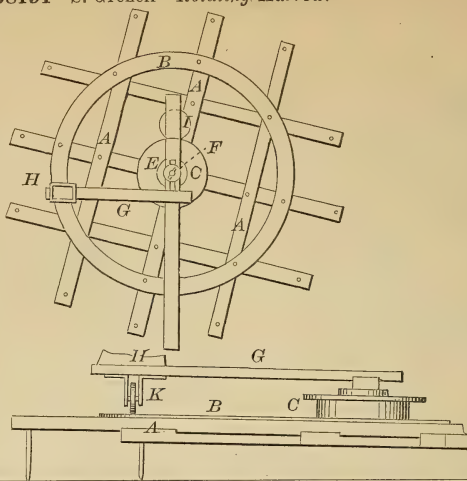
58186—E. Bourguard—Teeth Cutter.



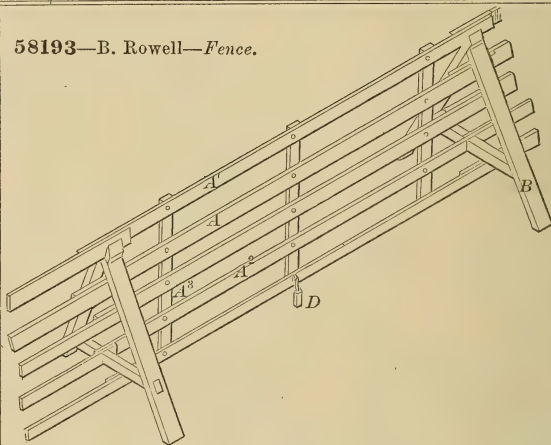
58189—T. Walker—Vessel's Speed Indicator.



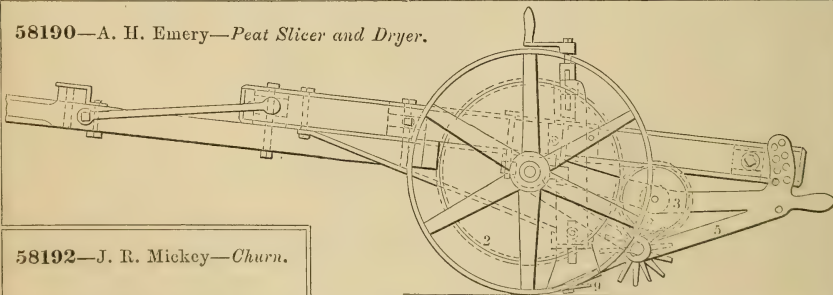
58191—S. Grenell—Rotating Harrow.



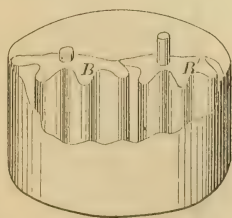
58193—B. Rowell—Fence.



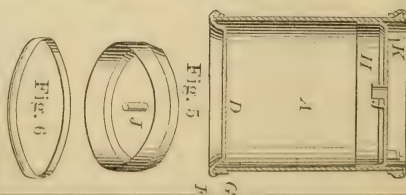
58190—A. H. Emery—Peat Slicer and Dryer.



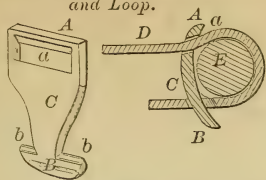
58192—J. R. Mickey—Churn.



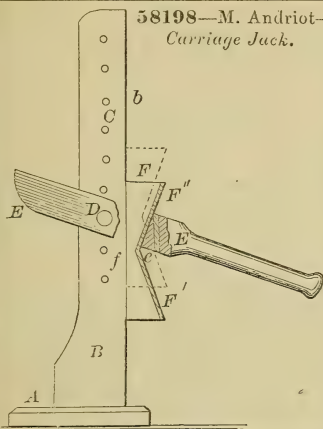
58194—E. Abbott—Milk Can.



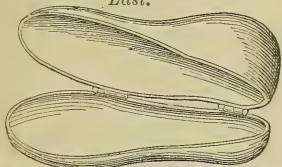
58195—J. Albert—Trace Button and Loop.



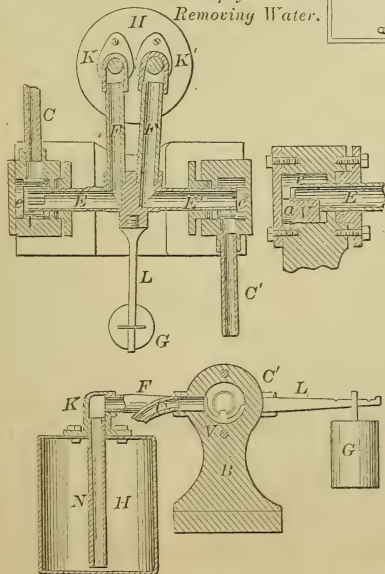
58198—M. Andriot—Carriage Jack.



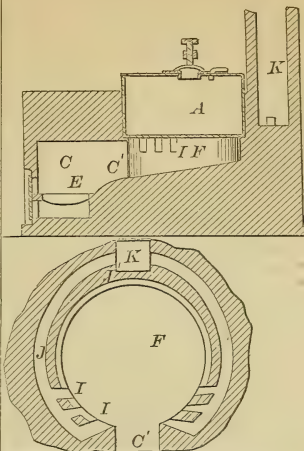
58199—G. H. Babcock—Darning Last.



58201—R. J. Barr—Trap for Removing Water.



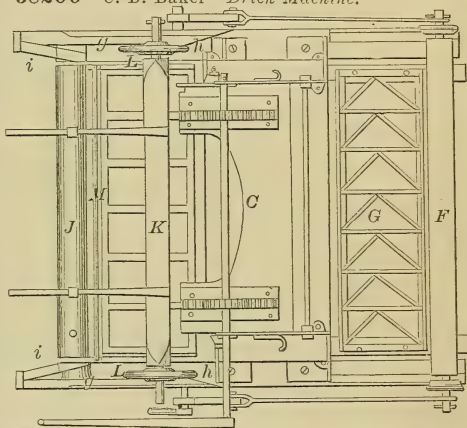
58197—S. Andrews—Distilling Oil.



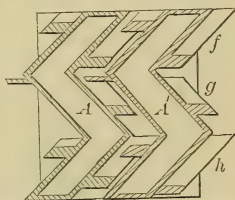
58196—E. G. Allen—Railway Frog.



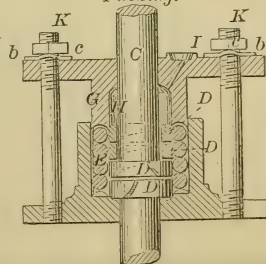
58200—C. B. Baker—Brick Machine.



58202—T. B. Belfield—Steam Radiator.

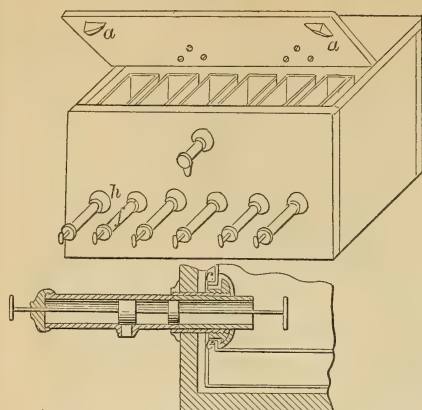


58204—C. P. Benoit—Piston Rod Packing.

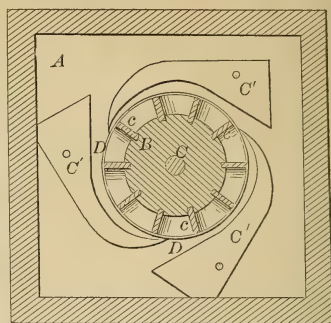




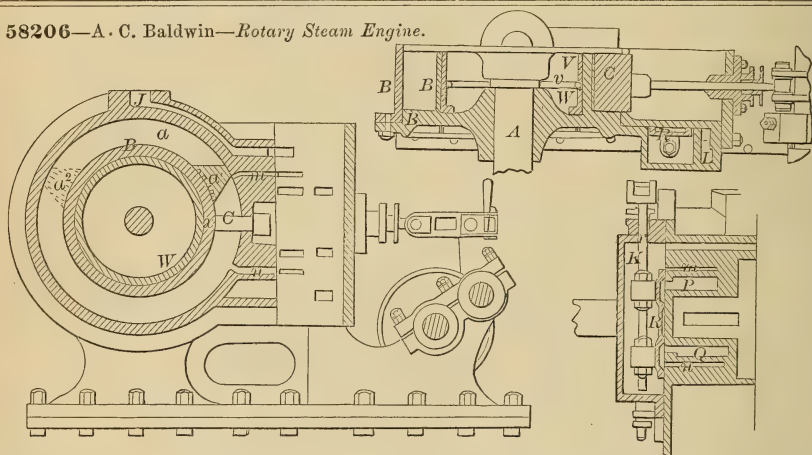
58205—E. Bigelow—Syrup Stand and Soda Fountain.



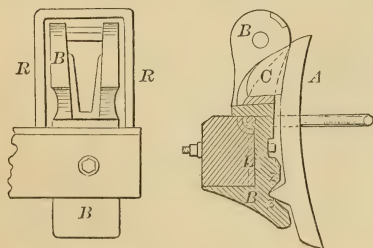
58208—Blackmer & Carpenter—Water Wheel.



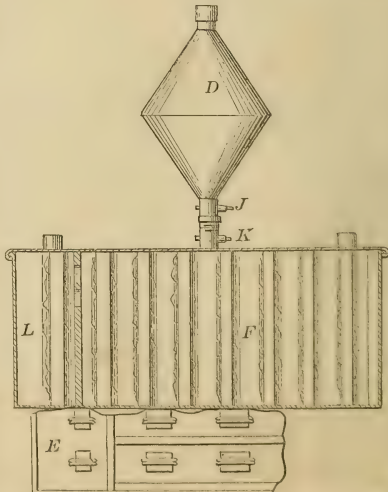
58206—A. C. Baldwin—Rotary Steam Engine.



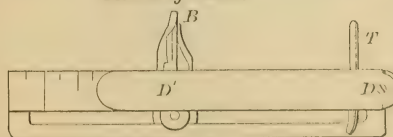
58207—J. Bing—Car Brake Shoe.



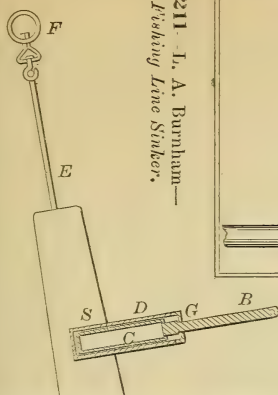
58209—J. F. Boynton—For Carburetting Gas.



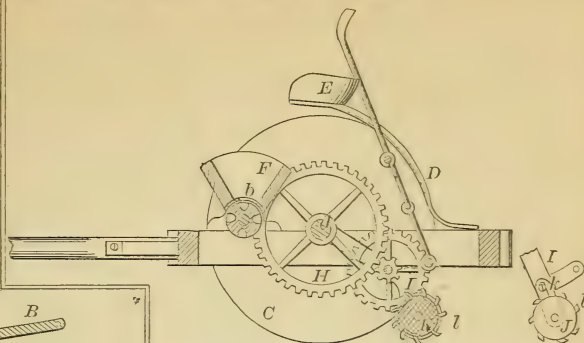
58210—Browning & Hard—Sewing Machine Hemming Guide.



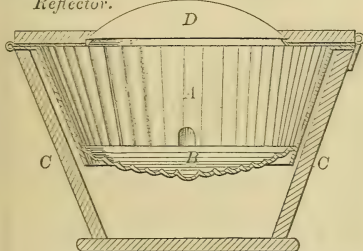
58211—L. A. Burnham—  
Fishing Line Sinker.



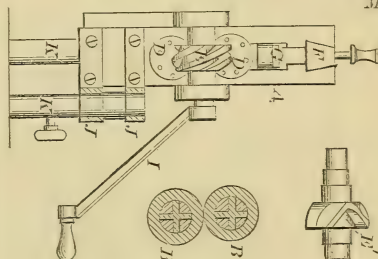
58214—J. M. Carr—Seeding Machine, &c.



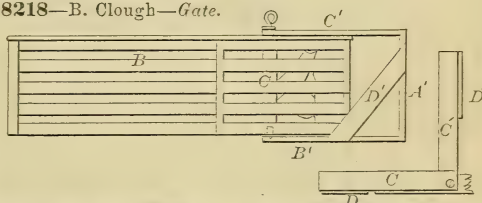
58212—W. A. Butler—Lantern  
Reflector.



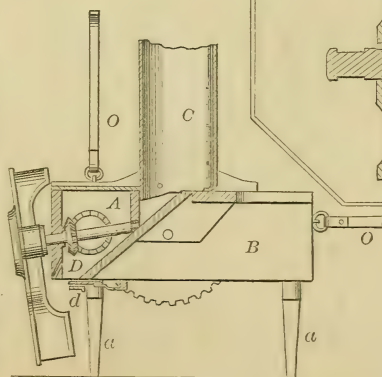
58215—E. Chesterman—Wringer and Washing  
Machine.



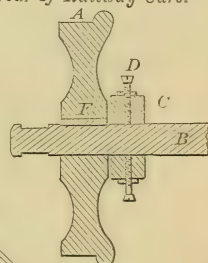
58218—B. Clough—Gate.



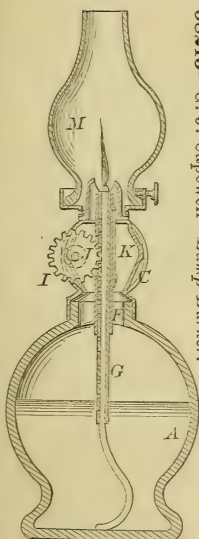
58219—W. S. Coffman—  
Broadcast Seeding Machine.



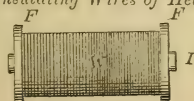
58216—S. B. Childs—Running  
Gear of Railway Cars.



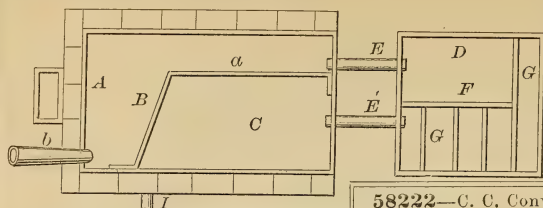
58213—G. J. Capewell—Lamp Burner.



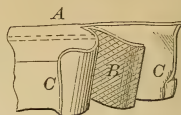
58217—Clark & Splitdorf—  
Insulating Wires of Helices.



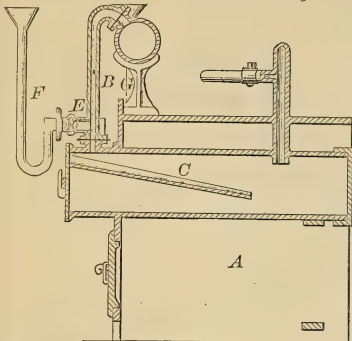
58220—T. Cole—Sorghum Evaporator.



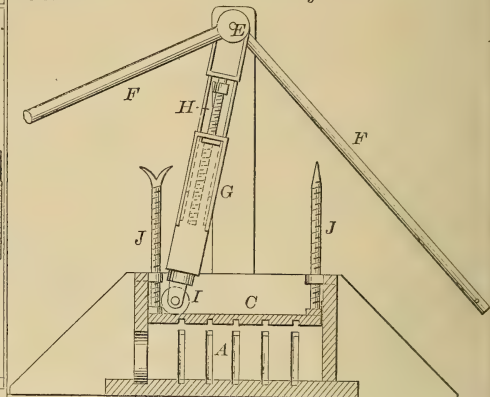
58223—L. M. Crane—Paper Collar.



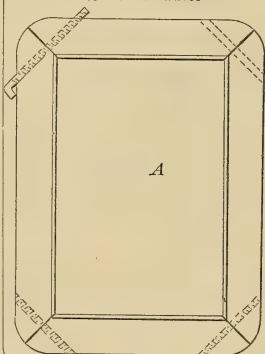
58221—J. H. Connelly—Making Gas.



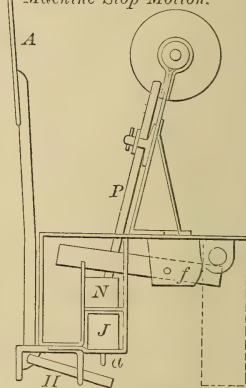
58222—C. C. Converse—Baling Press.



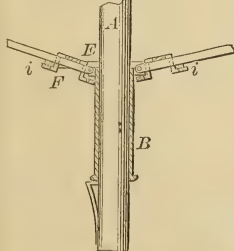
58225—D. Cumming, Jr.—Slate Frame.



58226—L. Cutting—Spinning Machine Stop Motion.



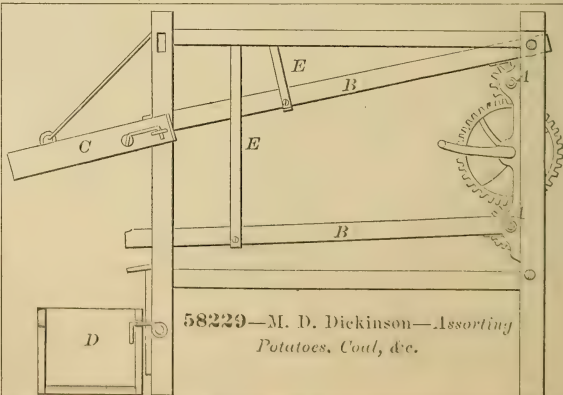
58227—W. Damerel—Umbrella.



58228—F. Danzenbaker—Churn.

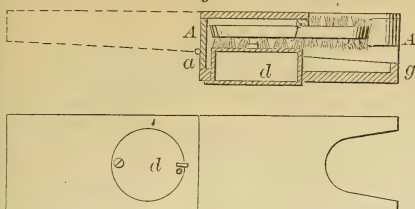


58229—M. D. Dickinson—Assorting Potatoes, Coal, &amp;c.

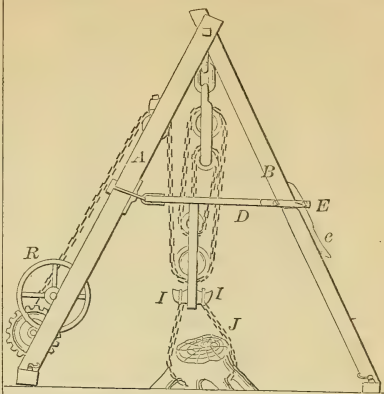




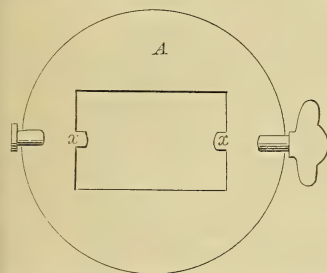
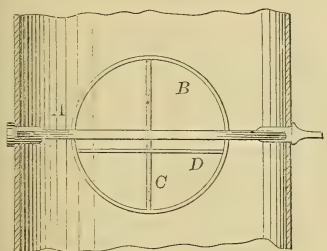
58230—B. Douglas—*Boot Jack and Blacking Case.*



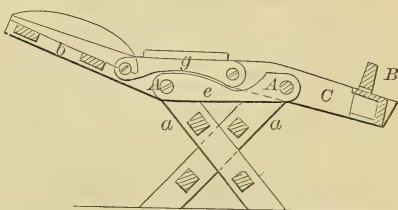
58235—L. C. English—*Stump Extractor.*



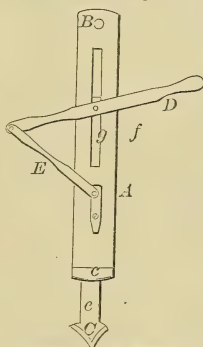
58233—N. J. Eldred—*Stove Pipe Damper.*



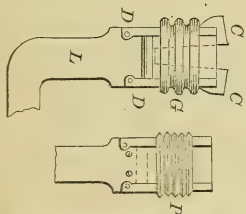
58231—J. B. Duane—*Reclining Chair.*



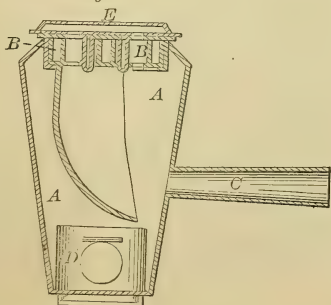
58237—D. Fasig—*Straw and Hay Knife.*



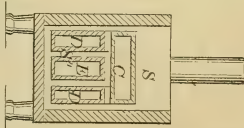
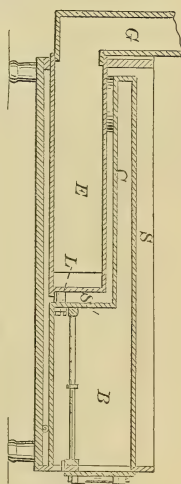
58234—O. Ellsworth—*Bit Stock.*



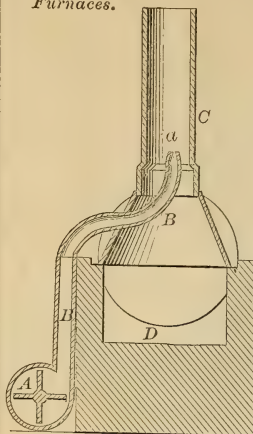
58238—B. Fish—*Tuyere.*



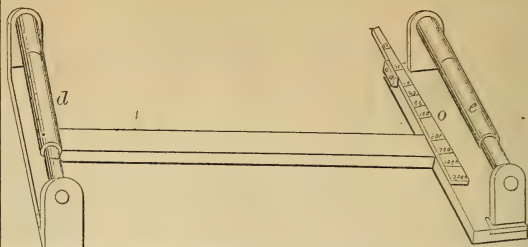
58236—Targuher & Doan—*Evaporator.*



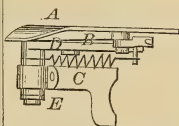
**58239**—C. Fisher—*For Promoting Combustion in Furnaces.*



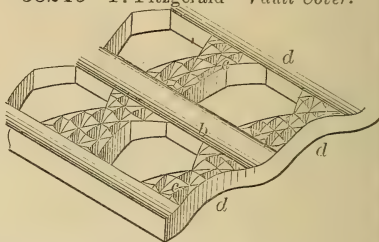
**58241**—J. Frankle—*Measuring Distances.*



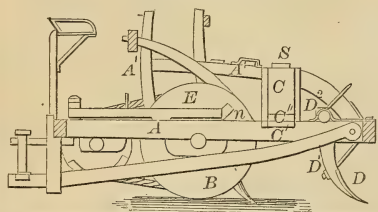
**58245**—  
H. W. Fuller—*Sewing Machine.*



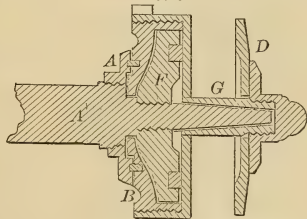
**58240**—F. Fitzgerald—*Vault Cover.*



**58243**—W. J. Freeman—*Seeder and Cultivator.*



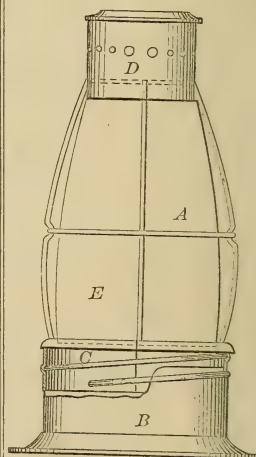
**58247**—C. H. Guard—*Attaching Hubs to Axles.*



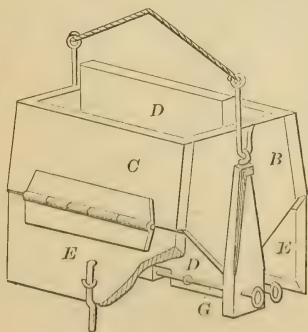
**58242**—J. D. Faby—*Knife and Fork.*



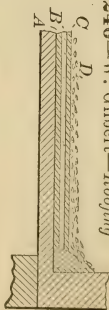
**58244**—A. French—*Lantern.*



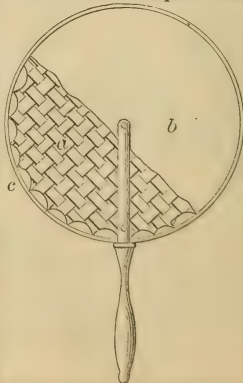
**58248**—J. Haines—*Fuel Damper.*



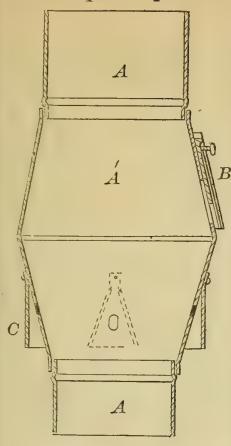
**58246**—W. Gilbert—*Roofing.*



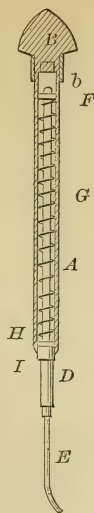
**58250**—N. Harper—*Fan.*



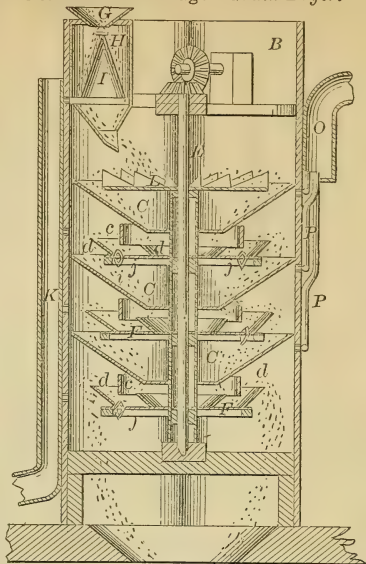
58251—B. I. Harris—  
Stove Pipe Damper.



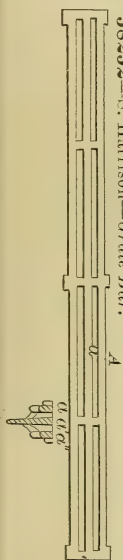
58257—C. M. Hooker—Dentists' Tooth Plugger.



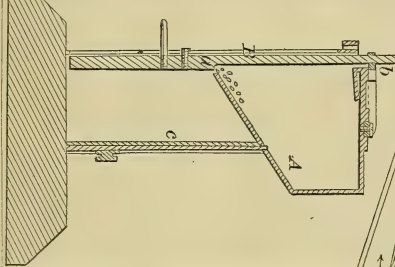
58254—R. Heneage—Grain Dryer.



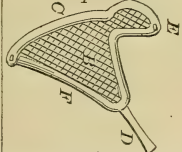
58252—S. Harrison—Grate Bar.



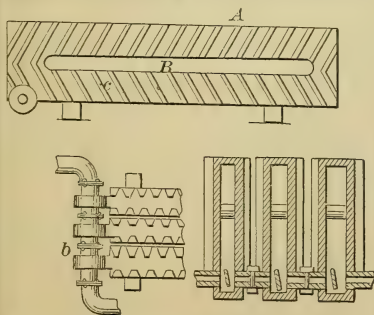
58253—T. S. Hathaway—Match Safe.



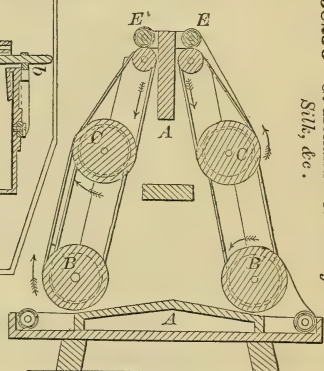
58255—  
T. A. Hoffmann—  
Respirator.



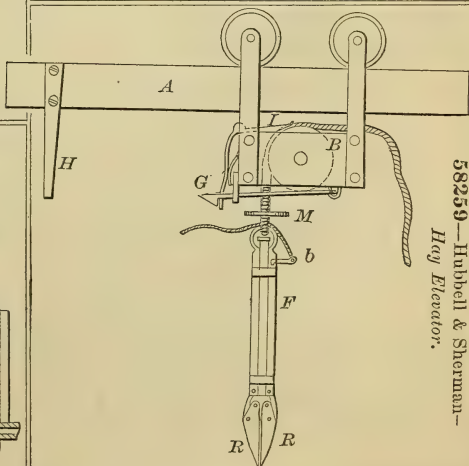
58258—H. Howard—Steam Radiator.



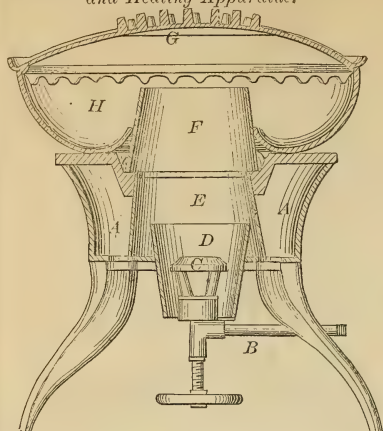
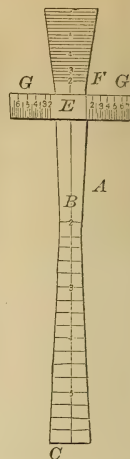
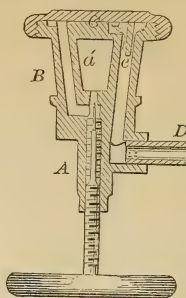
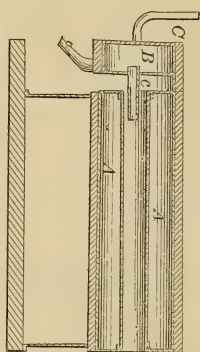
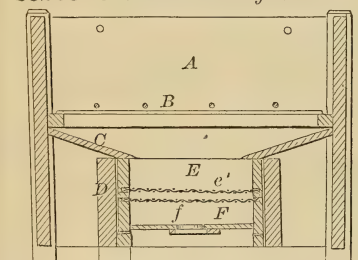
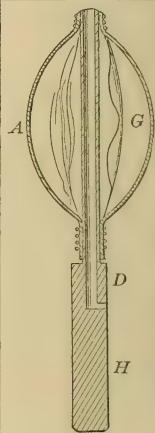
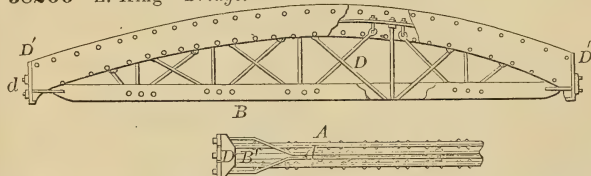
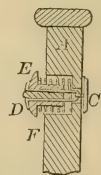
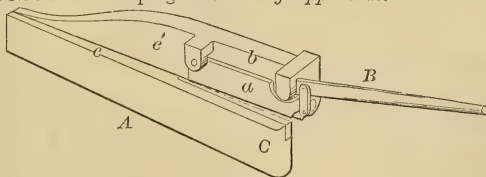
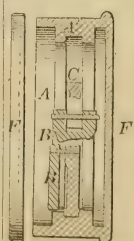
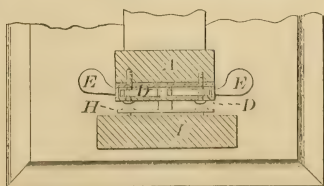
58256—G. Holland—Stretching  
Silk, &c.



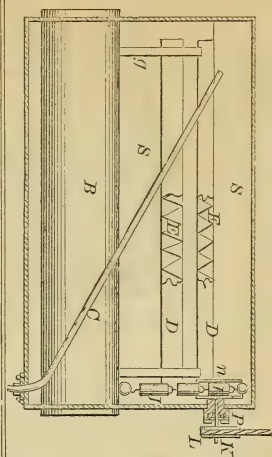
58259—Hubbell & Sherman—  
Hay Elevator.



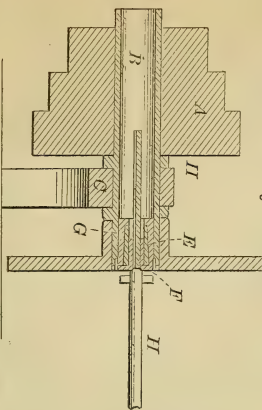


58260—J. S. Hull—*Petroleum Cooking and Heating Apparatus.*58261—J. S. Hull—*Vapor Lamp Burner.*58262—J. W. Hyde—*Measuring Scale for Collins.*58263—J. Johnson—*Manger.*58264—J. H. Johnson—*Steam Blower.*58265—L. Heller—*Lamp Chimney Cleaner.*58266—Z. King—*Bridge.*58267—I. Lamplugh—*Shearing Apparatus.*58270—A. A. Marks—*Card Holder.*58268—R. A. Leeds—*Gate Fastening.*58271—D. Masten—*Level.*58269—J. B. H. Leonard—*Knife and Fork.*

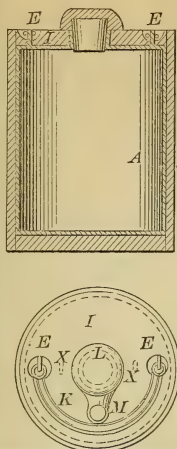
58275—J. McNulty—Steam Generator.



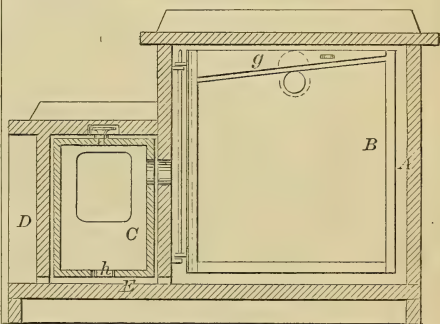
58273—C. E. McBeth—Boring Attachment to Lathes.



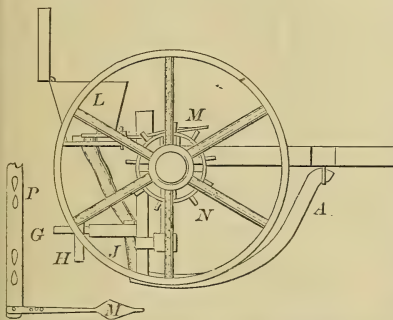
58272—J. W. Masury—Packing Vessels for Petroleum.



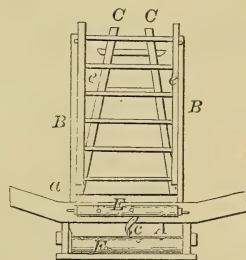
58276—G. W. Merchant—Beehive.



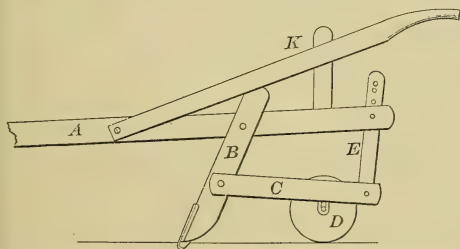
58274—J. McDonald—Grain Drill.



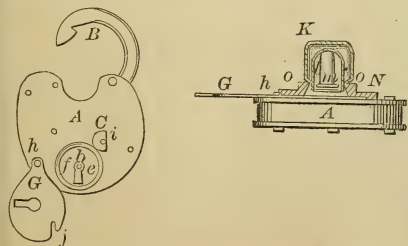
58280—A. Naramor—Wagon Hay Rack.



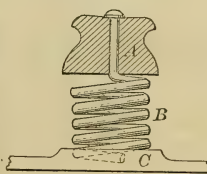
58277—Metz & Rohrer—Corn Planter.



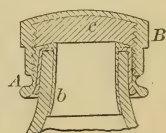
58278—E. M. & J. E. Mix—Padlock.

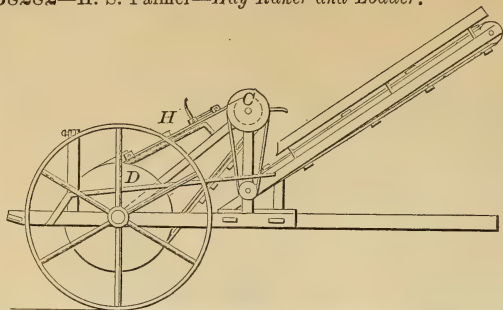
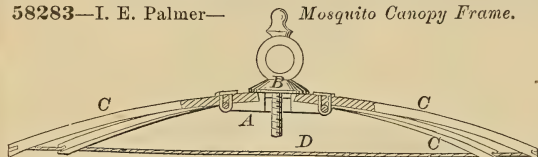
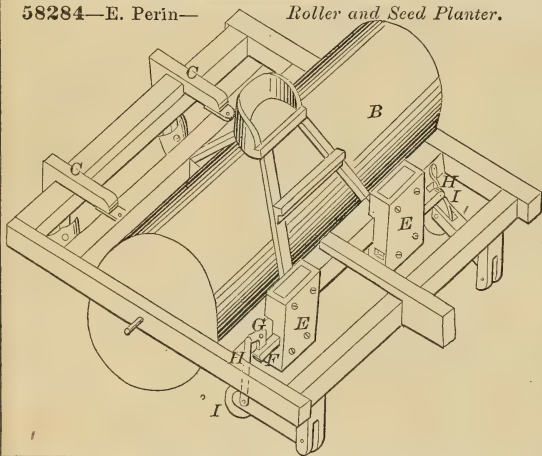
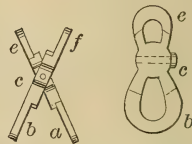
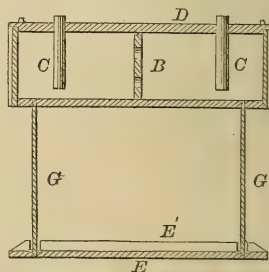
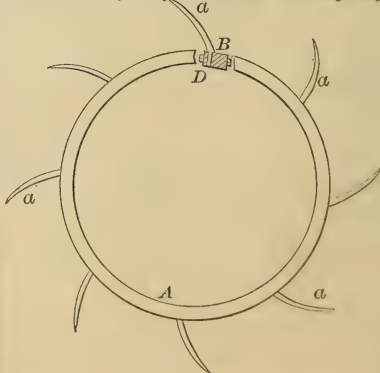
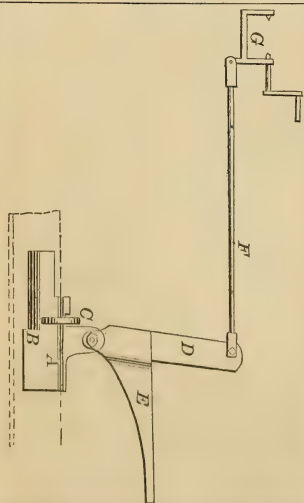
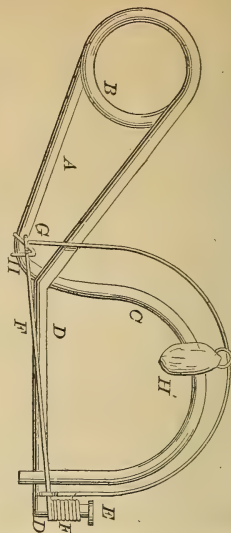


58279—J. U. Mueller—Stove Handle.



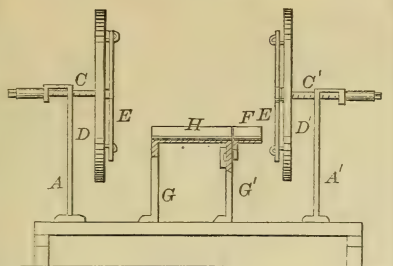
58281—M. V. Olry—Bottle Cap.



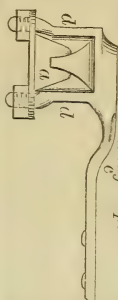
58282—H. S. Palmer—*Hay Raker and Loader.*58283—I. E. Palmer—*Mosquito Canopy Frame.*58284—E. Perin—*Roller and Seed Planter.*58287—M. Pollak—*Watch Chain Hook.*85288—I. T. Price—*Churn.*58289—Quinby & Lobdell—*Rotary Digger.*85285—J. W. Pettengill—*Moving Curs on the Track.*58286—D. N. Phelps—*Animal Trap.*



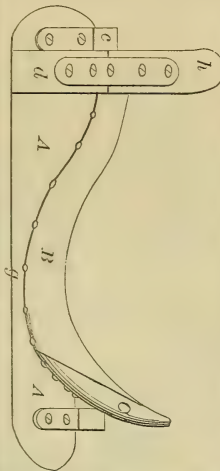
85290—D. R. Reed—*Sheep Holder.*



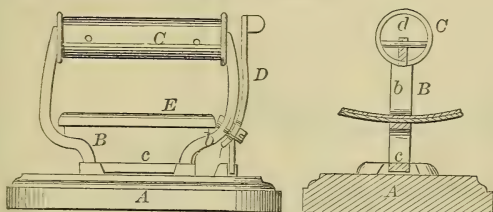
85292—U. Reynolds—*Carriage Body Top.*



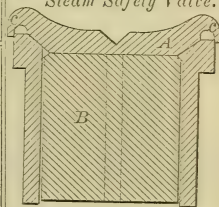
58293—Rhodes & Hazlewood—*Ladies' Saddle Tree.*



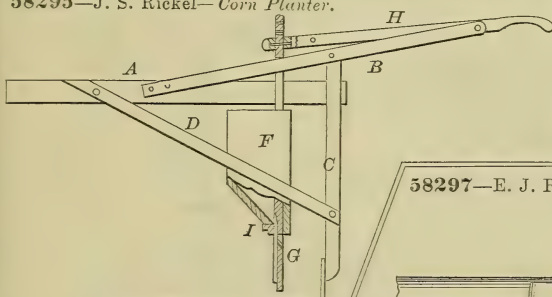
58291—F. Rehorn—*Sad Iron Handle.*



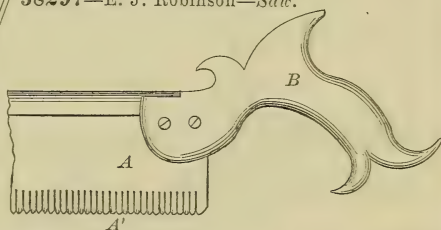
85294—G. W. Richardson—*Steam Safety Valve.*



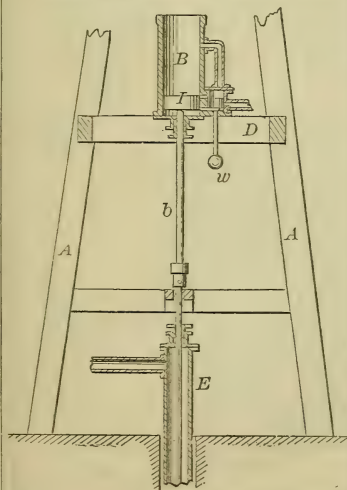
58295—J. S. Rickel—*Corn Planter.*



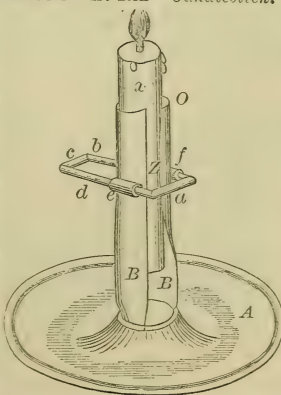
58297—E. J. Robinson—*Saw.*



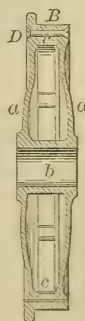
58299—J. B. Root—*Boring and Pumping Apparatus for Oil Wells.*



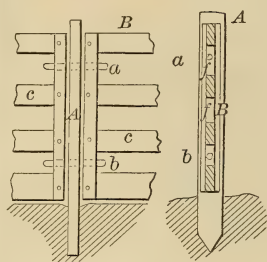
85296—A. Rix—*Candleslick.*



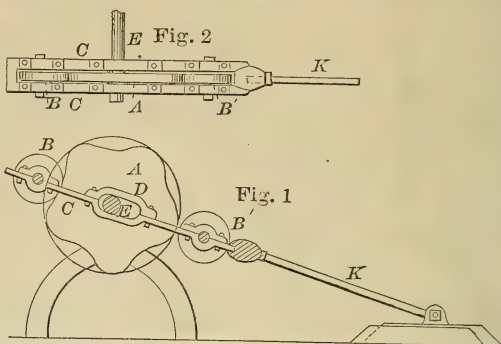
85298—E. S. Robinson—*Car Wheel.*



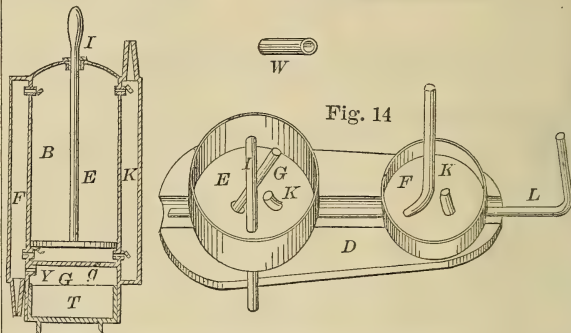
58300—S. H. Rose—Fence.



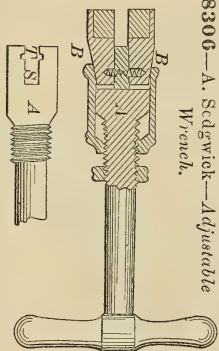
58304—Saladce &amp; Veach—Mechanical Movement.



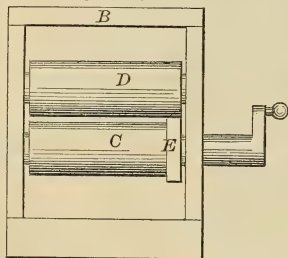
58301—P. A. Royce—Mechanical Medicator.



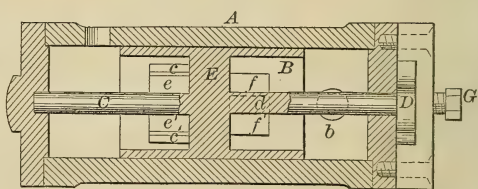
58306—A. Sedgwick—Adjustable Wrench.



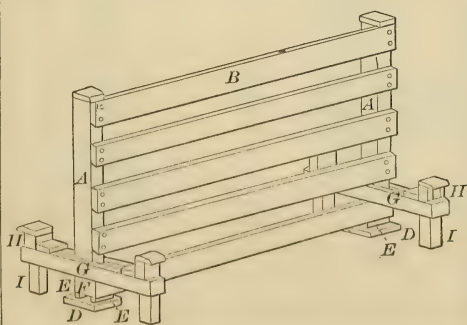
58305—G. T. Savary—Pea Sheller.



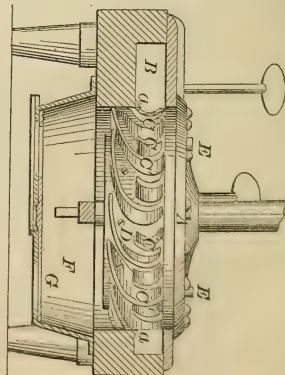
58307—D. Sexton—Rotary Valve.



58308—J. W. Shankland—Fence.



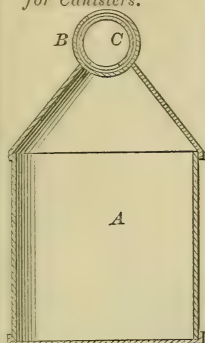
58309—S. Sherman—Water Wheel.



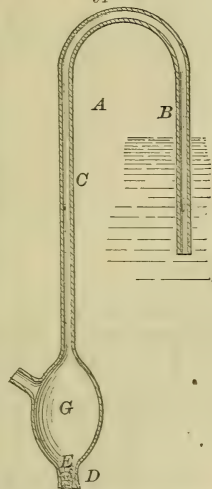
58310—A. M. Smith—*Button.*



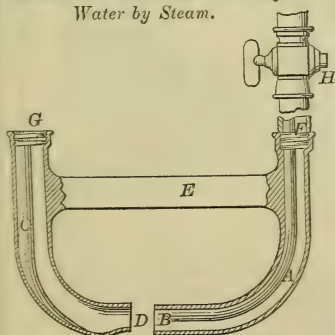
58311—W. M. Smith—*Measuring Stopple for Canisters.*



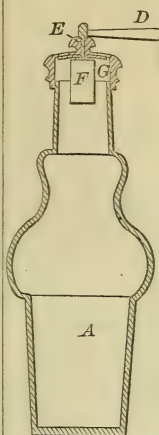
58316—E. I. Stearns—*Syphon.*



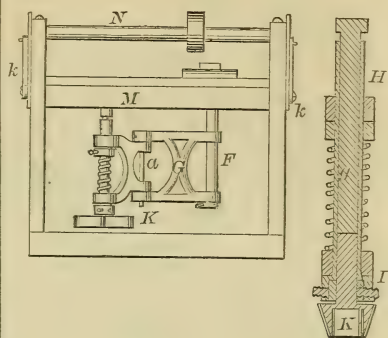
58317—J. W. Stiles—*Raising Water by Steam.*



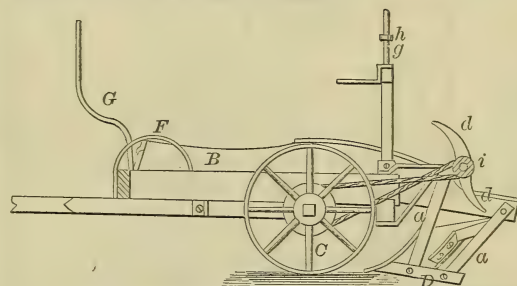
58312—L. Soehmann—*Pepper Caster.*



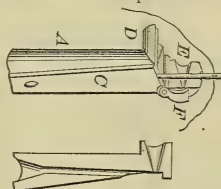
58315—C. S. Stearns—*Leather Cutter.*



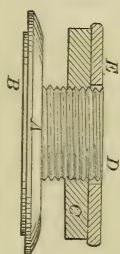
58318—Summers & Dement—*Plow.*



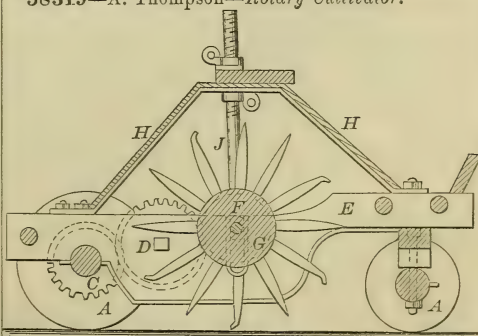
58314—C. L. Spencer—*Needle Threader.*



58313—W. B. Soumeilham—*Billiard Table Leg Attachment.*

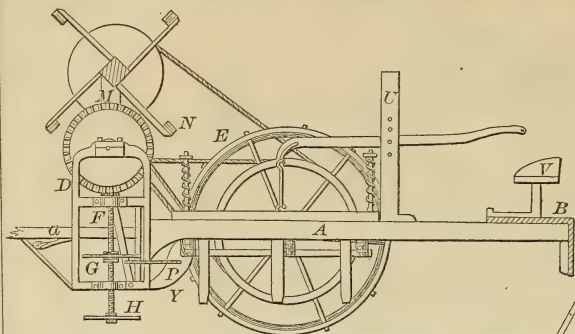
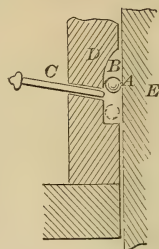
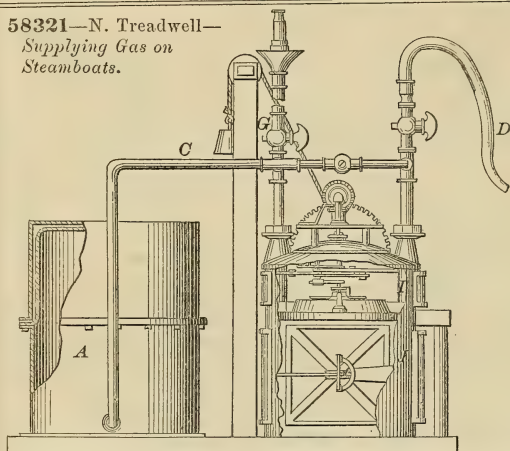


58319—A. Thompson—*Rotary Cultivator.*

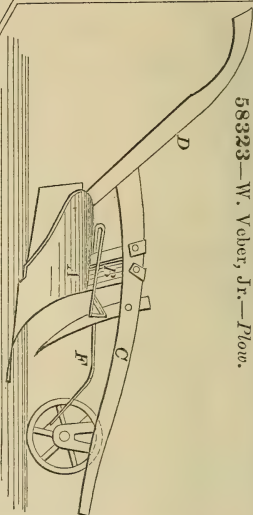
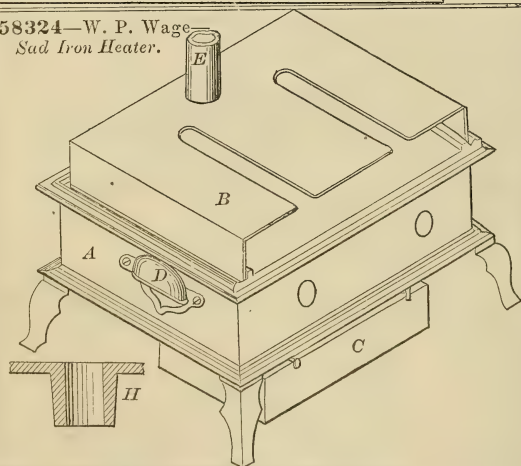




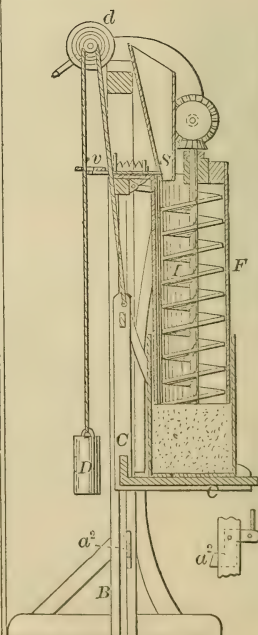
58320—D. J. Tittle—Corn Harvester.

58322—W. S. Van Hoesen—  
Sash Supporter.58321—N. Treadwell—  
Supplying Gas on  
Steamboats.

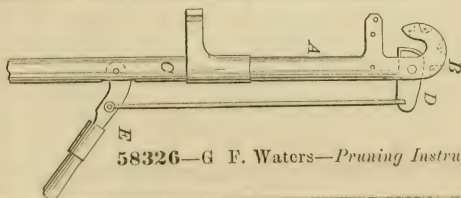
58323—W. Vebey, Jr.—Plow.

58324—W. P. Wage—  
Sad Iron Heater.

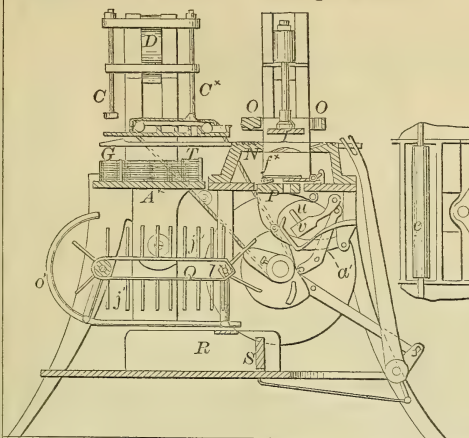
58325—G. A. Warner—Flour Packer.



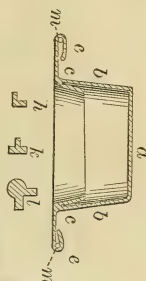
58326—G. F. Waters—Pruning Instrument.



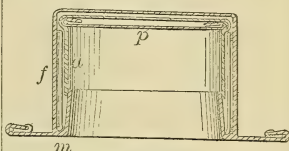
58327—T. V. Waymoth—Envelope Machine.



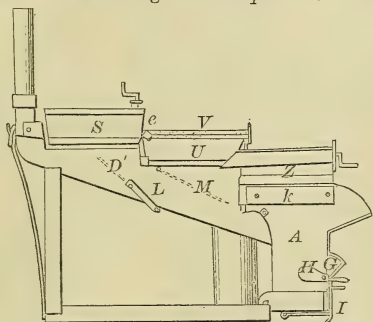
58328—W. H. White—Hat.



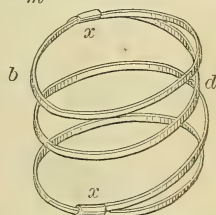
58329—W. H. White—Hat.



58331—J. E. Youngman—Evaporator.



58332—A. W. Browne—Button.



58330—J. L. Winslow—Shaft Coupling.

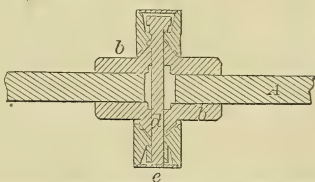
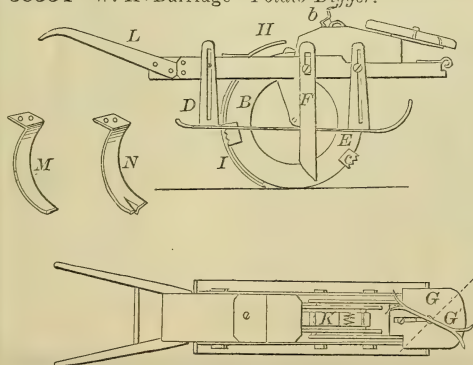
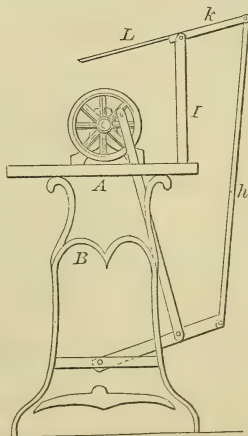


Fig. 5

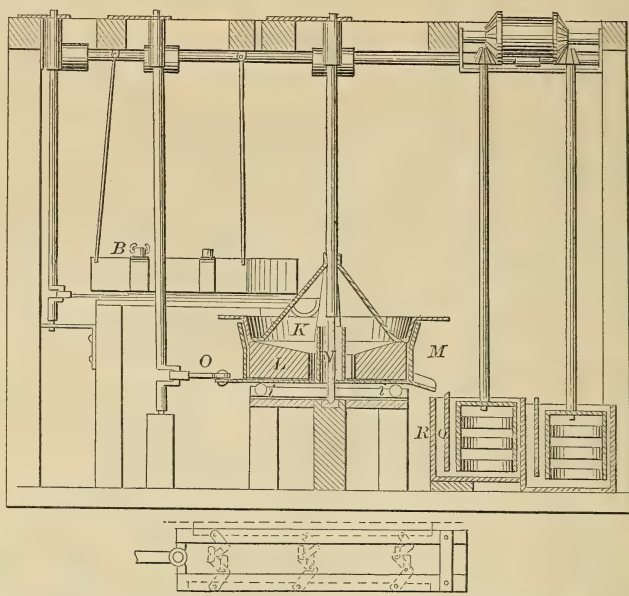
58334—W. H. Burrige—Potato Digger.



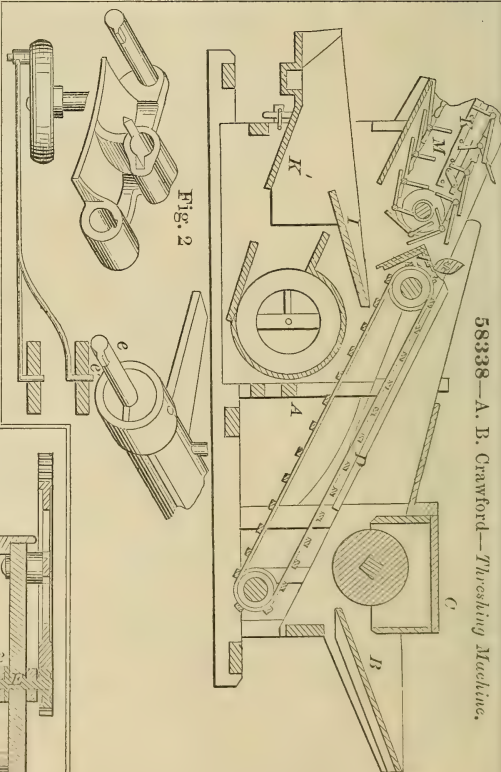
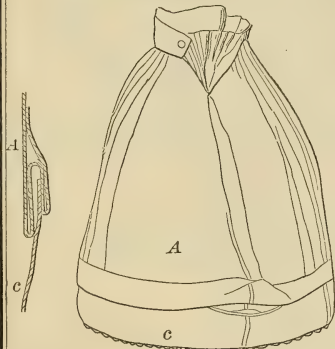
58333—S. Burr—Sewing Machine Foot Attachment.



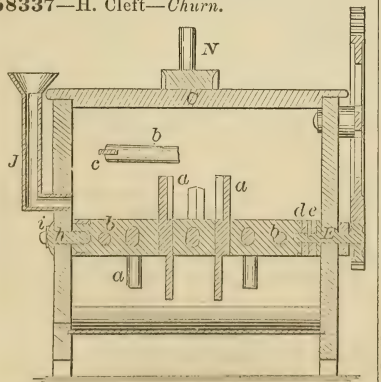
58335—S. F. Charles—Amalgamator,



58336—D. M. Church—Ladies' Skirt.

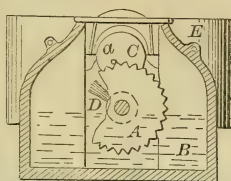


58337—H. Cleft—Churn.

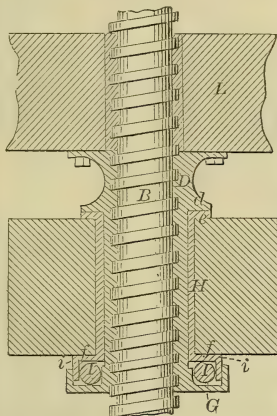




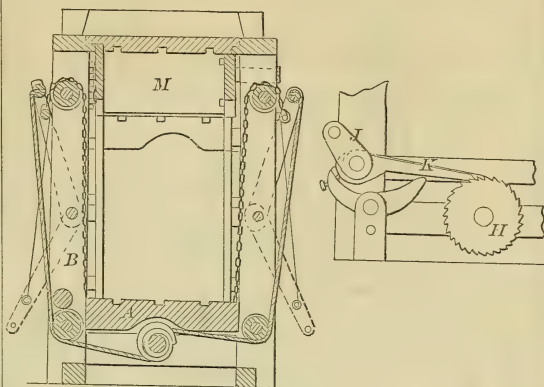
**58339**—J. C. Eggleston—*Lubricating Apparatus.*



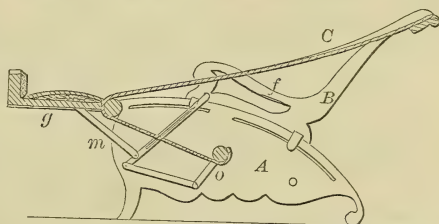
**58342**—R. H. Gray—*Lifting and Pressing Screw.*



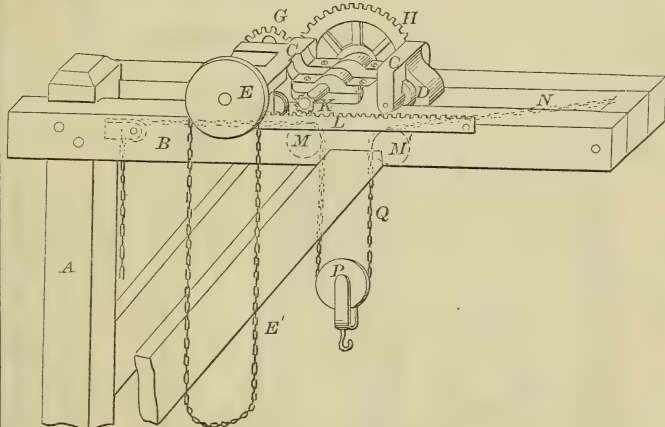
**58341**—Goodsell & Frisbie—*Cotton and Hay Press.*



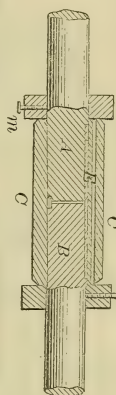
**58343**—D. B. Hall—*Recumbent Chair.*



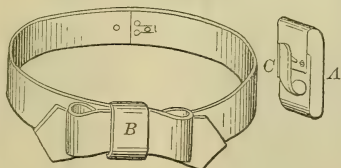
**58340**—D. Frisbie—*Hoisting Apparatus.*



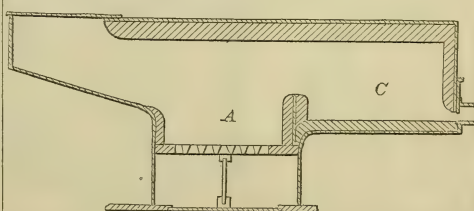
**58345**—M. Hawkins—*Shaft Coupling.*



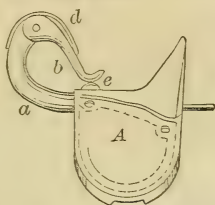
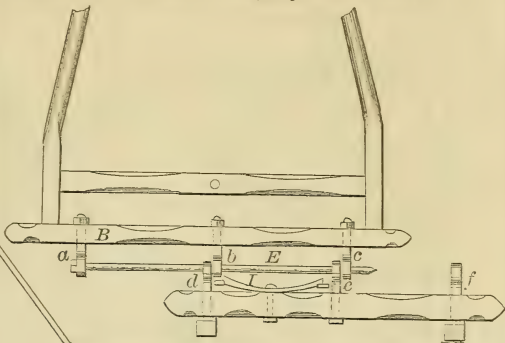
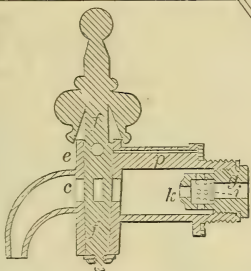
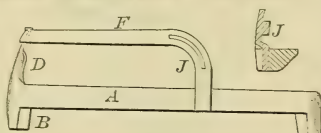
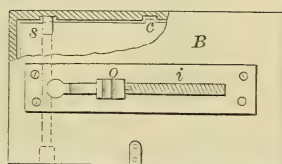
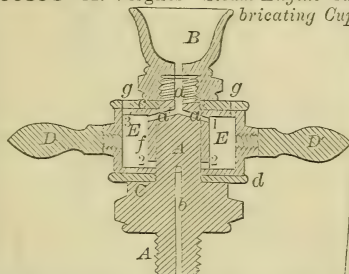
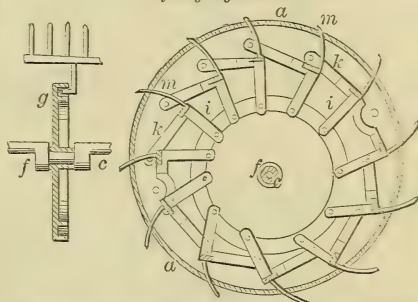
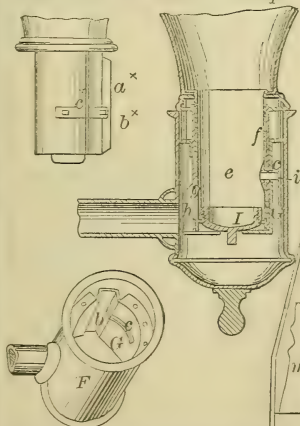
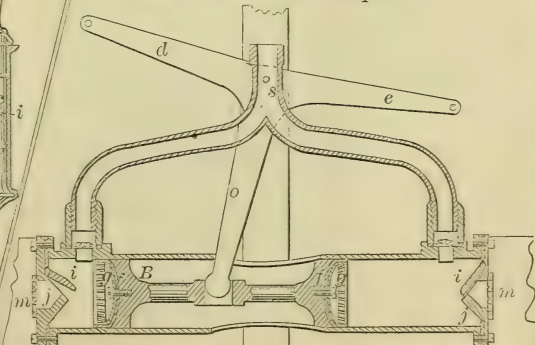
**58344**—W. H. Halsey—*India Rubber Neck Tie.*



**58346**—Hotchkiss & Shattuck—*Forge Furnace.*

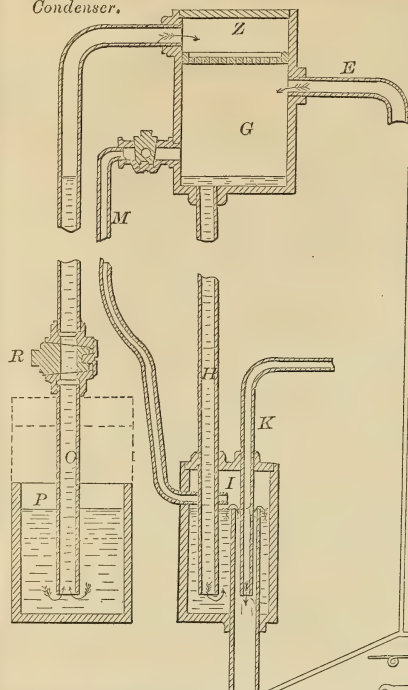




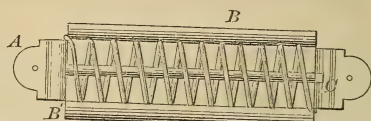
58352—Roos & White—*Pad Hook.*58353—H. L. Taylor—*Shifting Cutter Thills.*58356—E. Candler—*Funnel.*58355—C. M. Werner—*Horse Shoe.*58357—F. A. Lamontague—*Card Case.*58354—M. Vergnes—*Steam Engine Lubricating Cup.*58359—Petrie & Teal—*Wool Washing Machine Lifting Cylinder.*58361—G. Stobwasser—*Lamp.*58360—L. Drescher—*Pump.*



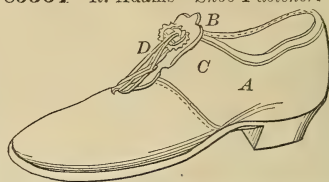
**58362**—J. Absterdam—*Steam Engine Condenser.*



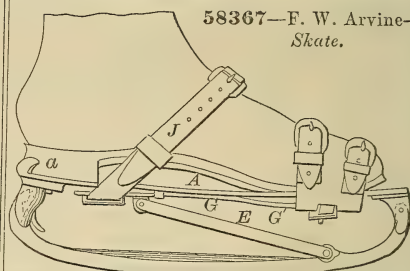
**58363**—J. Adair—*Spring Pen Rack.*



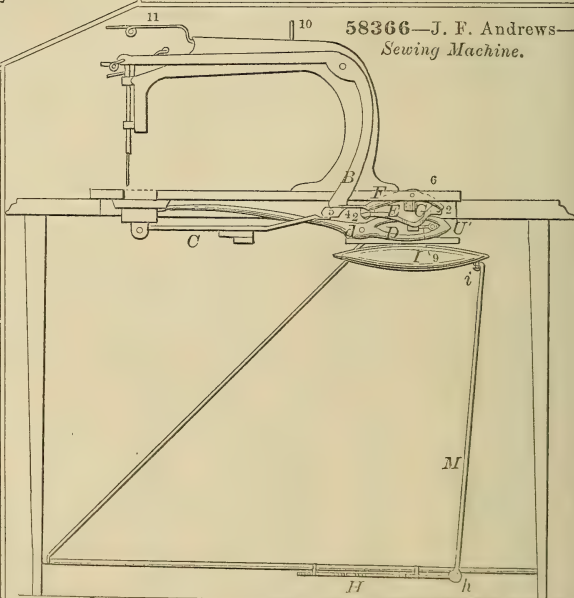
**58364**—R. Adams—*Shoe Fastener.*



**58367**—F. W. Arvine—*Skate.*



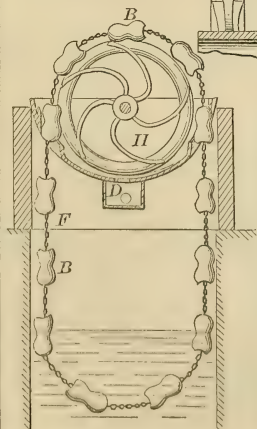
**58366**—J. F. Andrews—*Sewing Machine.*



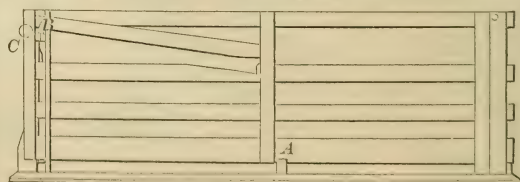
**58365**—C. L. Alexander—*Paper Fastener.*



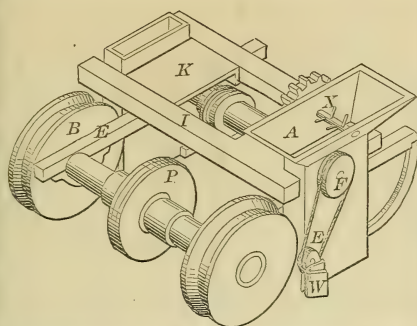
**58368**—E. R. Austin—*Water Elevator.*



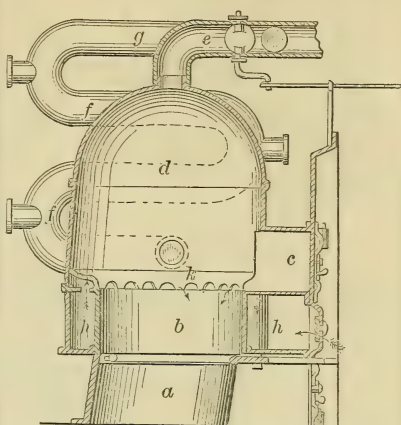
**58369**—J. S. Benedict—*Fence Gate.*



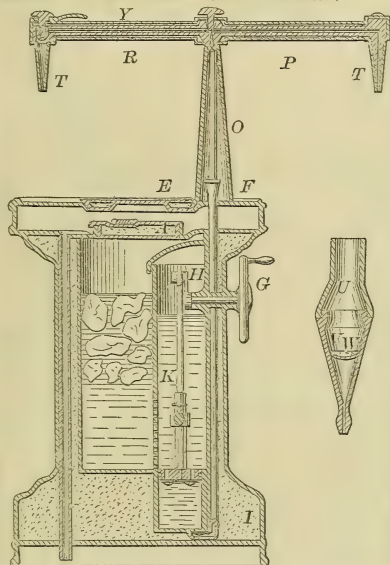
58372—F. H. Brown—Cotton Seed Planter.



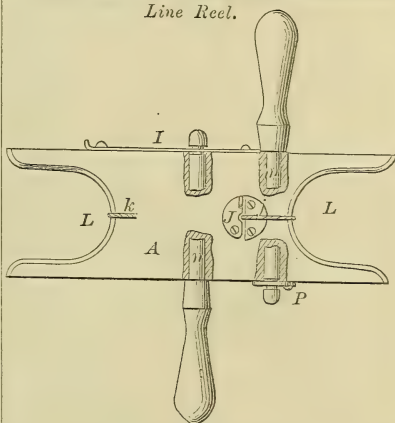
58373—J. T. Budd—Hot Air Furnace.



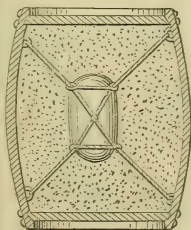
58375—J. W. Cahill—Soda Fountain.



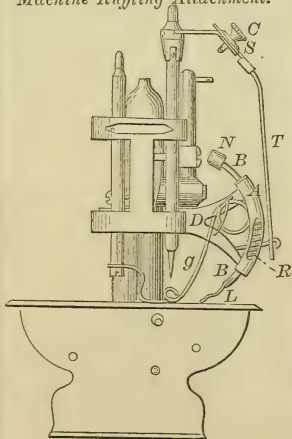
58378—H. W. Chamberlain—Cord and Line Reel.



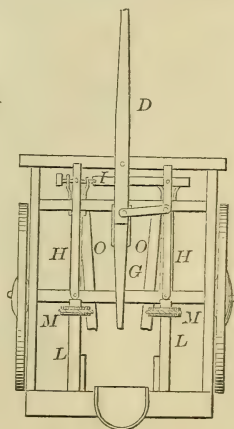
58374—J. Carlin—Preserving Flour, Grain, &amp;c.

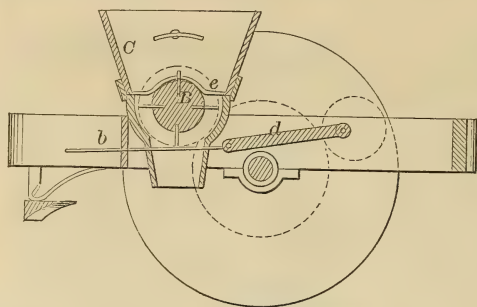
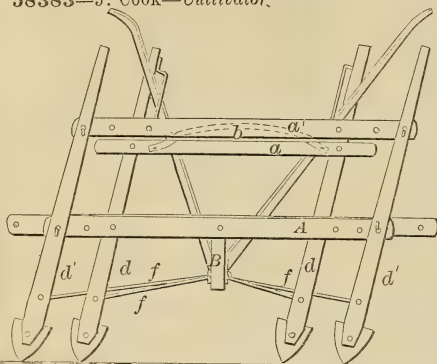
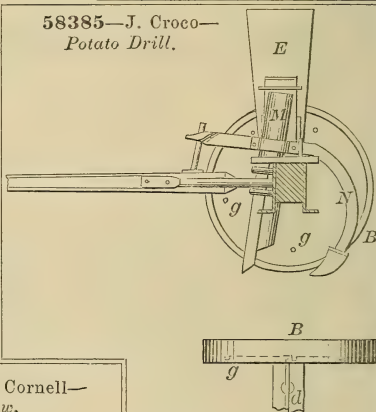
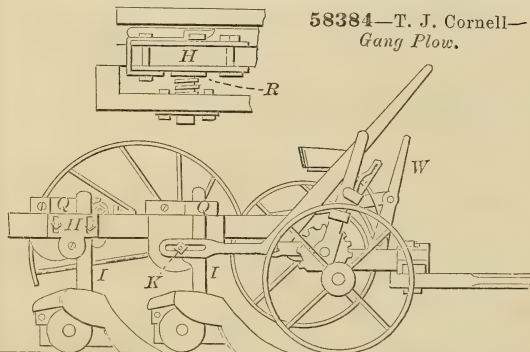
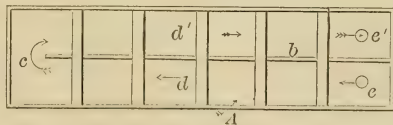
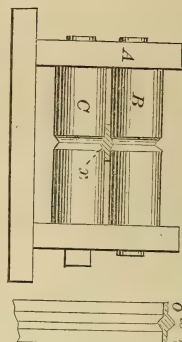
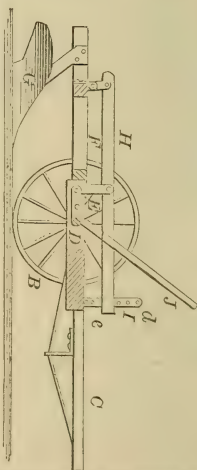
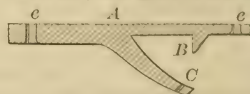


58376—D. C. Carv—Sewing Machine Ruffling Attachment.



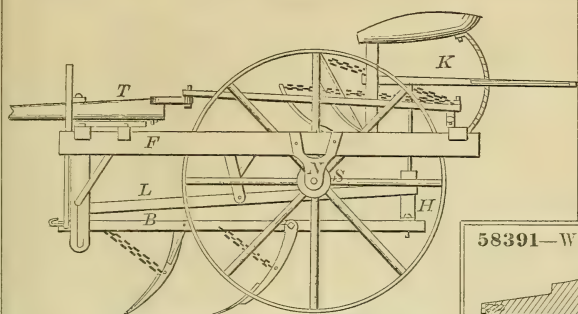
58380—E. Children—Cultivator.



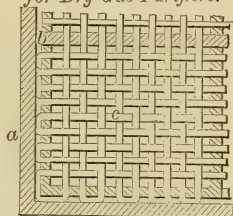
58381—J. G. Clark—*Cotton Seed Planter.*58383—J. Cook—*Cultivator.*58385—J. Croco—*Potato Drill.*58384—T. J. Cornell—*Gang Plow.*58387—R. E. Deane—*Carving Table.*58382—Comer & Denton—*Lightening Rod.*58386—H. N. Dalton—*Gang Plow.*58388—C. M. Dedrick—*For Removing the Wire from Soda Water Bottles.*



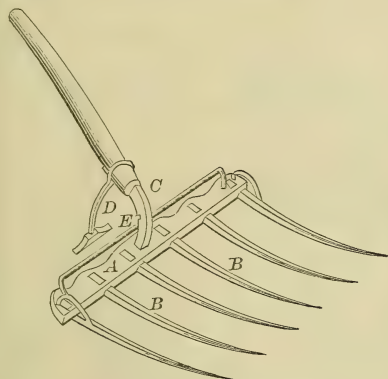
58389—G. W. Doolittle—*Cultivator.*



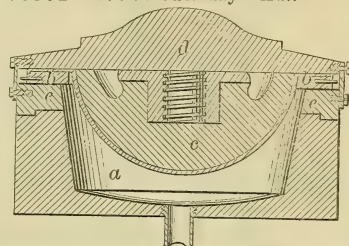
58393—E. Duffee—*Screen for Dry Gas Purifiers.*



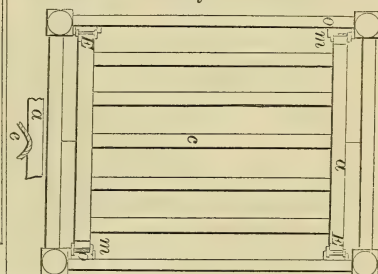
58390—H. Doolittle—*Potato Digging Fork.*



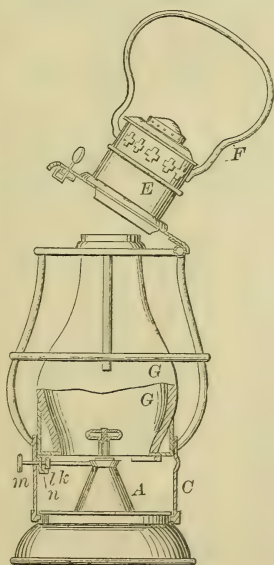
58391—W. E. Doubleday—*Hut.*



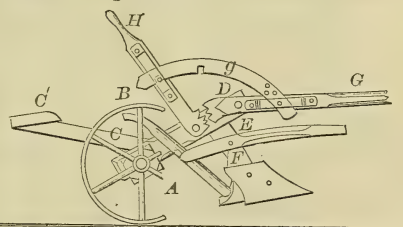
58394—F. B. Duffy—*Bed Bottom.*



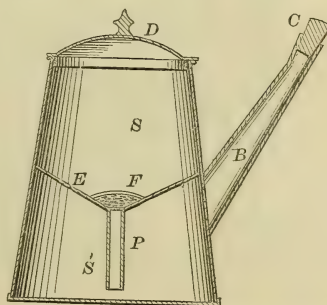
58392—A. M. Duburn—*Lantern.*



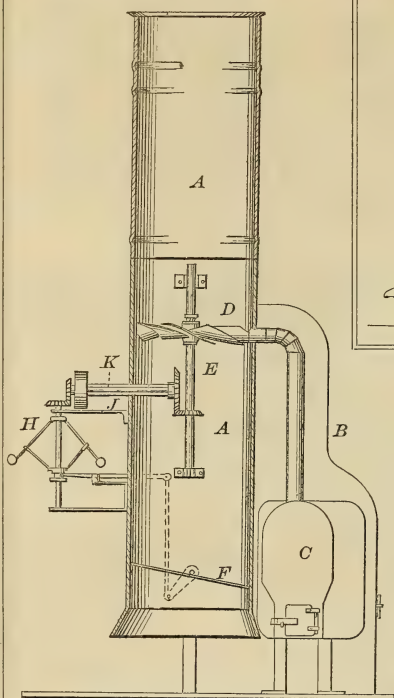
58395—Edgell & J. W. & E. A. Alexander—*Plow.*



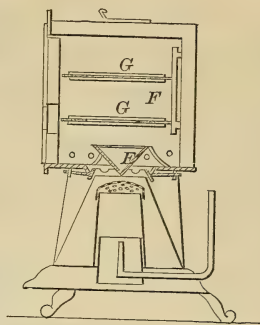
58396—W. Edson—*Coffee Pot.*



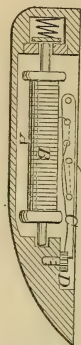
58397—P. A. Ensign—Air Engine and Motor.



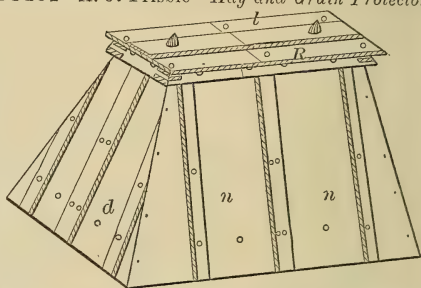
58398—L. Erving—Oven for Gas Cook Stoves.



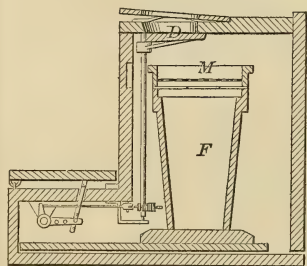
58399—F. Elzold—Sewing Machine Shuttle.



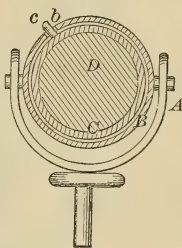
58401—A. J. Frisbie—Hay and Grain Protector.



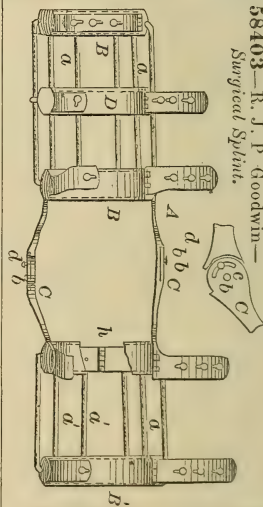
58400—D. S. Forney—Privy.



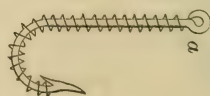
58402—M. Fryer—Oar Swivel.



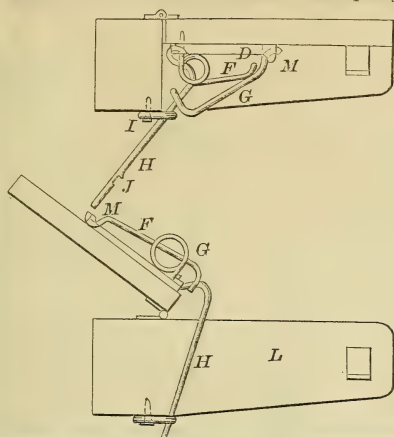
58403—R. J. P. Goodwin—Surgical Splint.



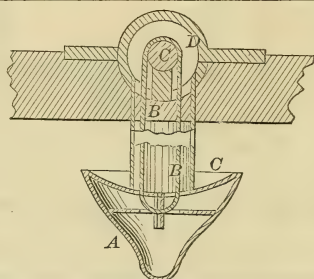
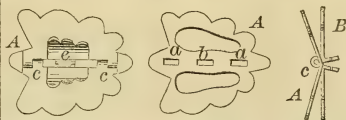
58404—W. C. Goodwin—Fish Hook.



58405—J. C. Gould—Door and Gate Spring.

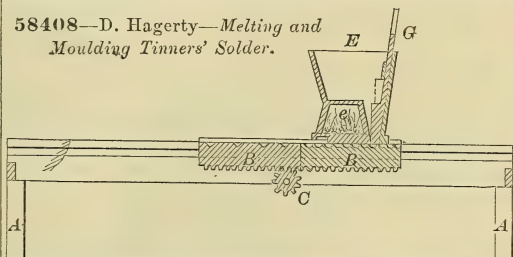


58406—C. Grün—Ladies' Skirt Elevator.

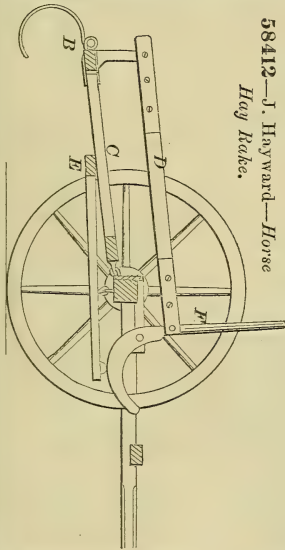
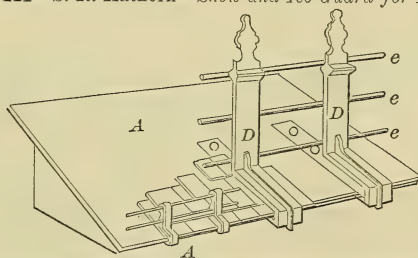


58409—W. Hamilton—  
Lubricating Apparatus.

58408—D. Hagerty—Melting and  
Moulding Timmers' Solder.



58411—S. R. Hathorn—Snow and Ice Guard for Roofs.

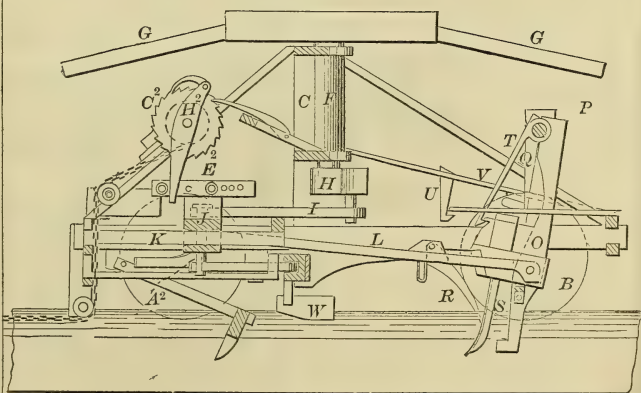


58412—J. Hayward—Horse  
Hay Rake.

58407—C. Guidet—  
Belgian Pavement.



58413—E. Heath—Ditching Machine.

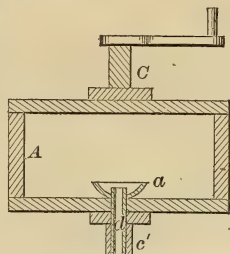
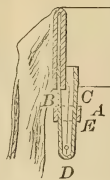


58410—T. R. Hartell—  
Ornamenting and Lettering  
Glass.





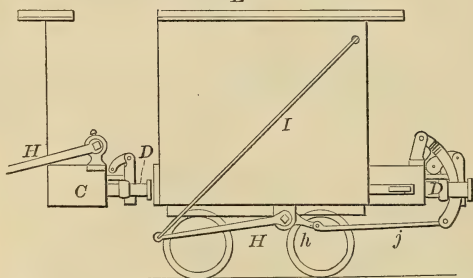
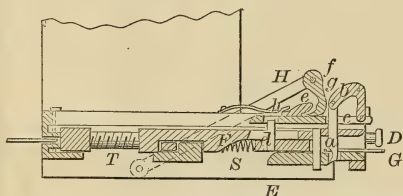
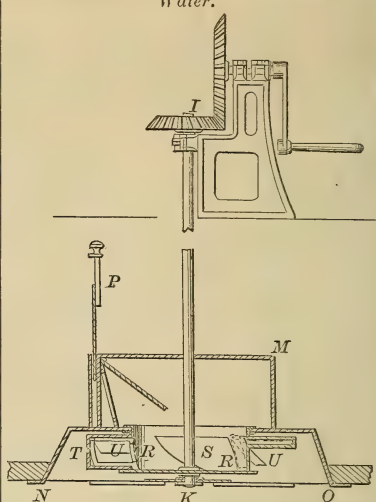
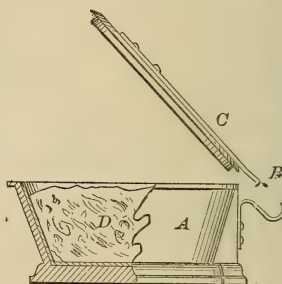
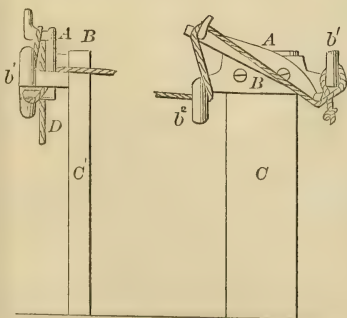
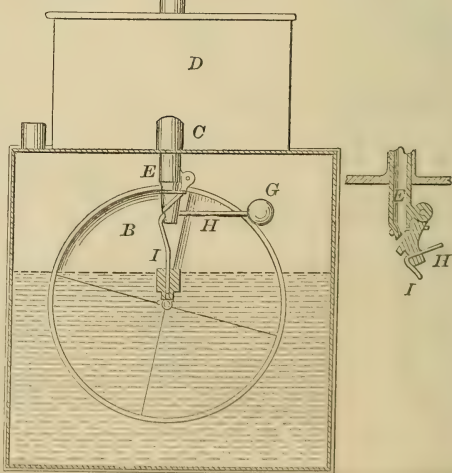
58415—J. Henry—Churn.

58414—H. M. Heineman—  
Neck Tie Fastening.

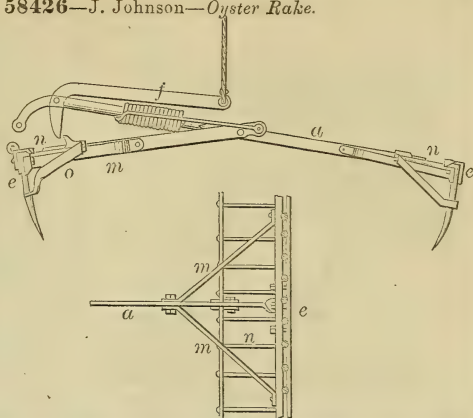
58417—T. N. Hickox—Mucilage Bottle Cap.



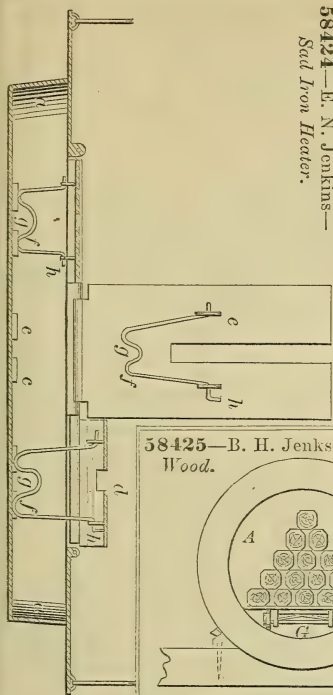
58418—C. Holtz—Car Coupling.

58416—A. Hermann—Discharging Bilge  
Water.58420—H. A. Hoyt—Stamp  
Moistener.58419—C. W. Howard—Clothes Line  
Clamp.58422—E. S. Hutchinson—Automatic Feed for  
Carburettor.

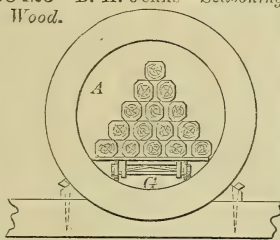
58426—J. Johnson—Oyster Rake.



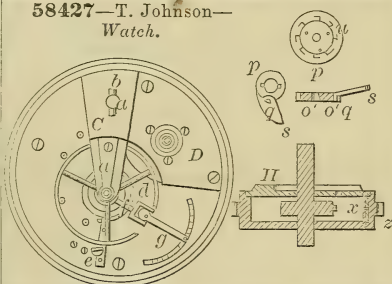
58424—E. N. Jenkins—  
Said Iron Heater.



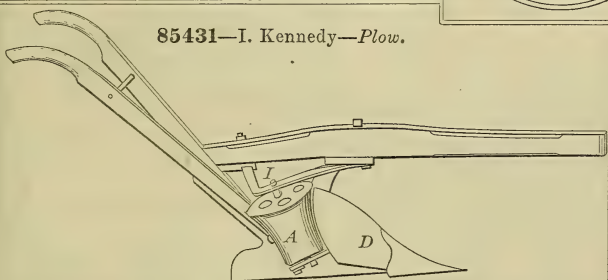
58425—B. H. Jenks—Seasoning  
Wood.



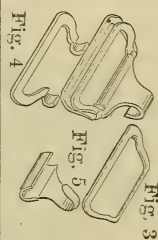
58427—T. Johnson—  
Watch.



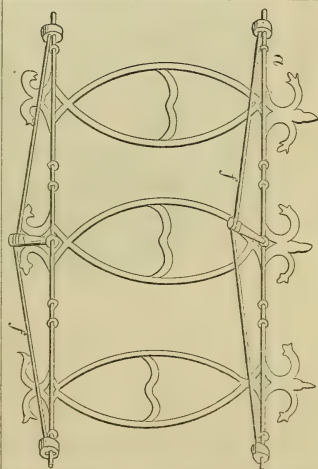
85431—I. Kennedy—Plow.



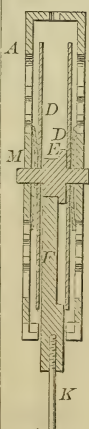
58430—G. L. Kelsey—  
Belt Buckle.



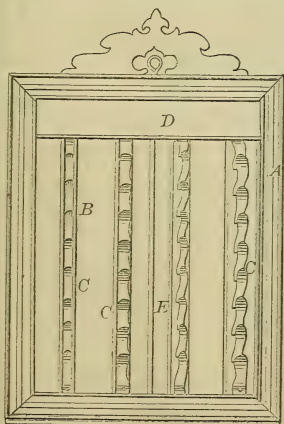
58432—G. Kiehner—Fence.



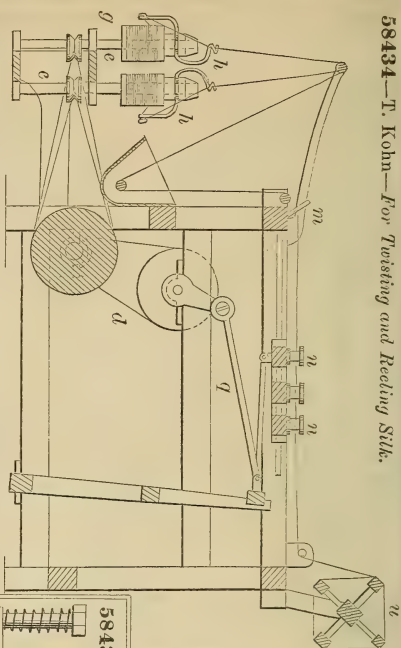
85429—Kellogg & Hill—Billiard Register.



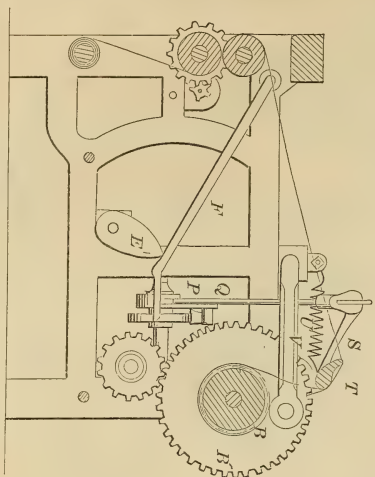
58428—J. M. Keep—Card Rack.



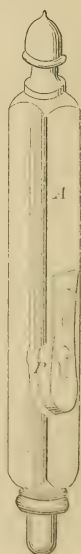
58434—T. Kohn—For Twisting and Reeling Silk.



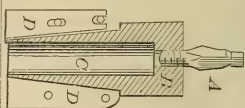
58433—J. F. Kirkwood—Let-off and Take-up for Looms.



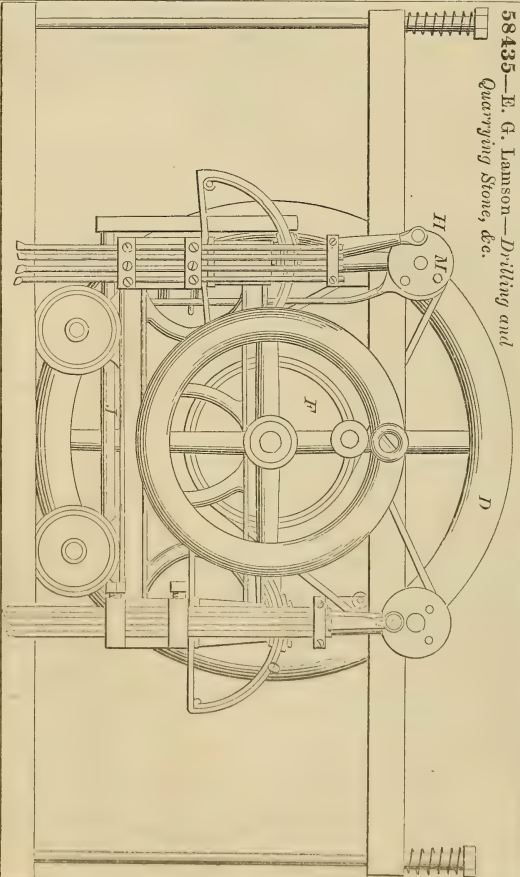
58437—J. Lemman—Bedstead Fastening.



58436—J. Lefebvre—Hollow Auger.

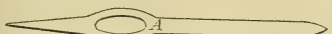
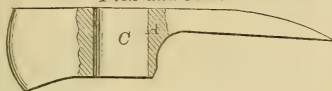


58435—E. G. Lamson—Drilling and Quarrying Stone, &amp;c.

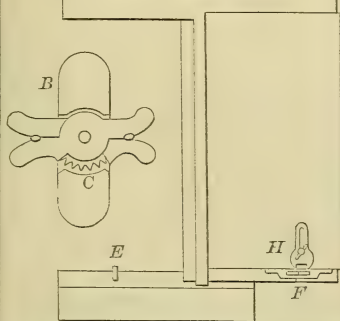




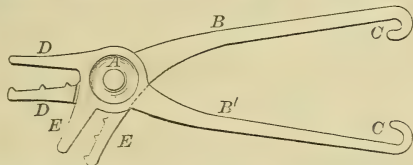
**58438**—H. L. Lowman—*Combined Pick and Axe.*



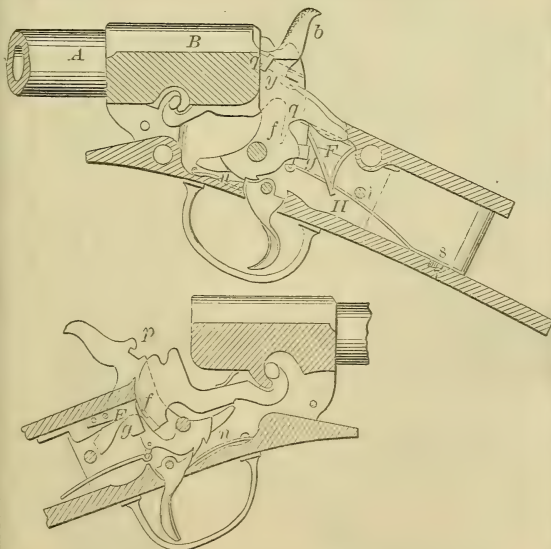
**58441**—F. A. Makepeace—*Window Blind Fastening.*



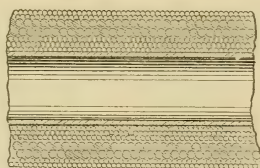
**58442**—Maltby & Brown—*Stove Cover Lifter, &c.*



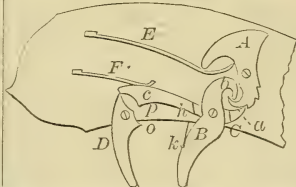
**58444**—R. McChesney—*Breech-Loading Fire Arm.*



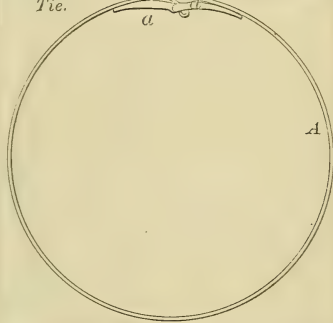
**58439**—Lyon & Doll—*Induction Coil for Electro-Magnets.*



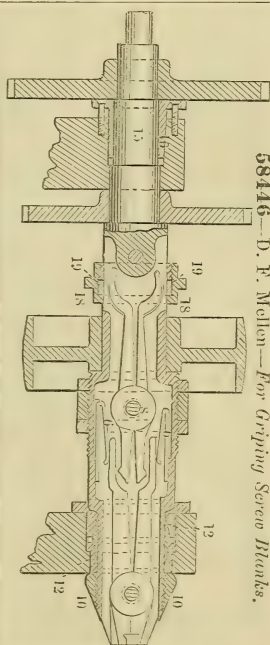
**58443**—J. E. McBeth—*Safety Gun Lock.*



**58445**—J. McMurtry—*Cotton Bale Tie.*



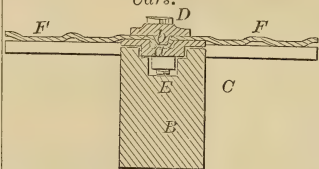
**58446**—D. F. Mollan—*For Gripping Screw Blanks.*



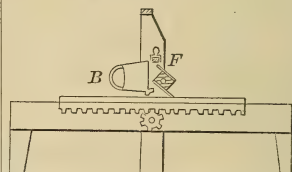
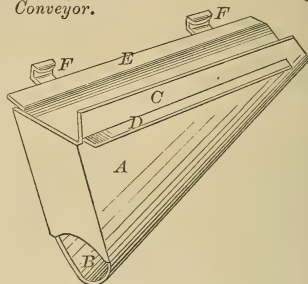
58447—E. Motton—Attaching Tires to Locomotive Wheels.



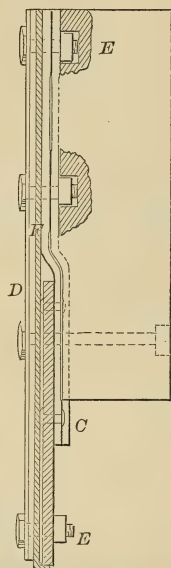
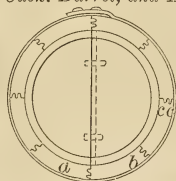
58448—S. Merriek—Iron Railroad Cars.



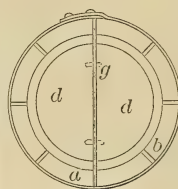
58456—D. R. Miller—Planing and Sawing Machine Dust and Shaving Conveyor.



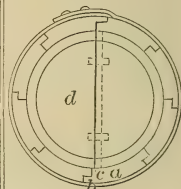
58451—J. Merrill—Cask, Barrel, and Keg.



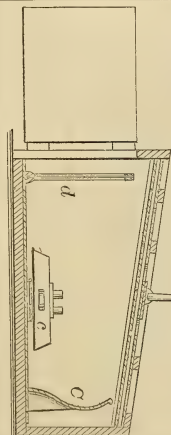
58449—J. Merrill—Cask Barrel &c.



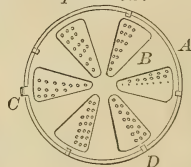
58450—J. Merrill—Cask, Barrel, &c.



58453—Merwin & Metcalf—Fogt Warner and Lamp.



58455—W. A. Miles—Spice Box.



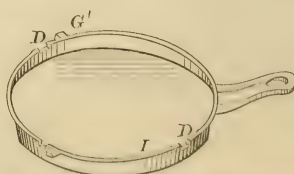
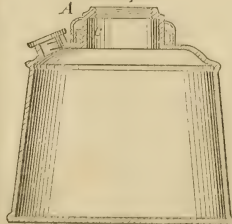
58452—J. Merrill—Barrel and Keg.



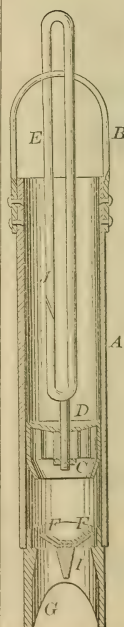
58460—Mull & Reed—Spider.



58459—C. Mulchahey—Lamp.



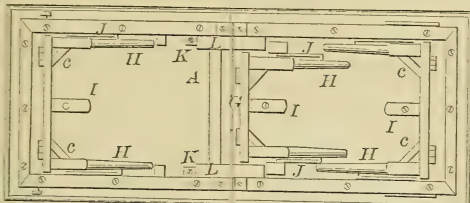
58457—B. Morahan—Sand Pump.



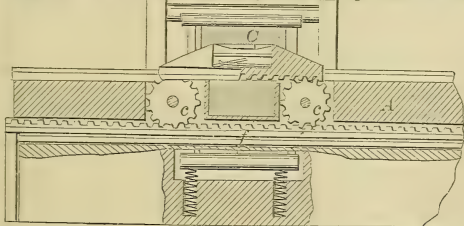
58461—H. Munroe—Window Blind Fastening.



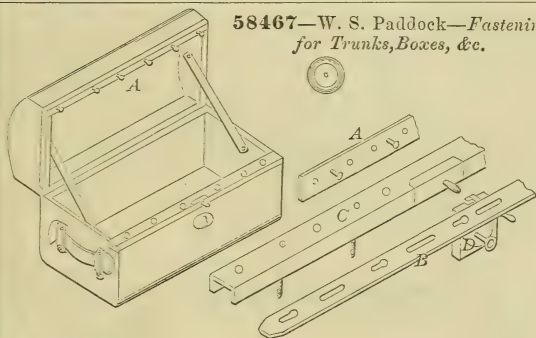
58462—G. W. Nellis—Folding Table.



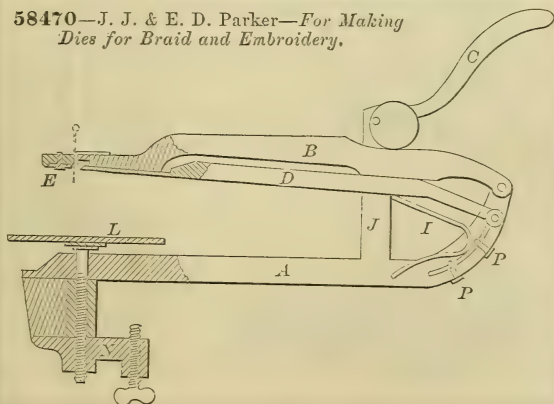
58464—B. Oldfield—Loom for Weaving Narrow Wares.



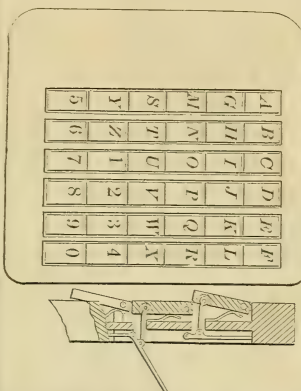
58467—W. S. Paddock—Fastening for Trunks, Boxes, &c.



58470—J. J. & E. D. Parker—For Making Dies for Braid and Embroidery.



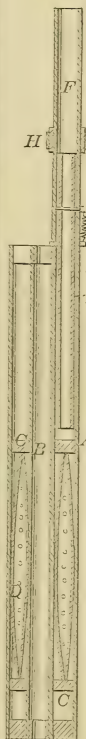
58463—E. B. Nourse—Alphabet Frame.



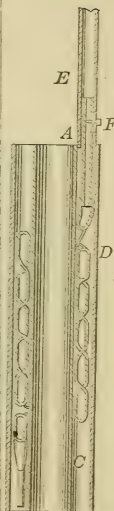
58468—J. J. Parker—Deep Well Tube Packing.



58465—J. H. J. O'Neill—Carriage Shackle.

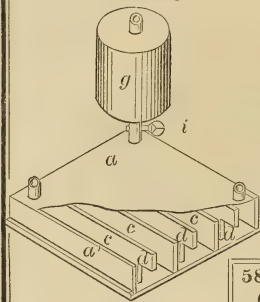


58469—J. J. Parker—Well Packing.

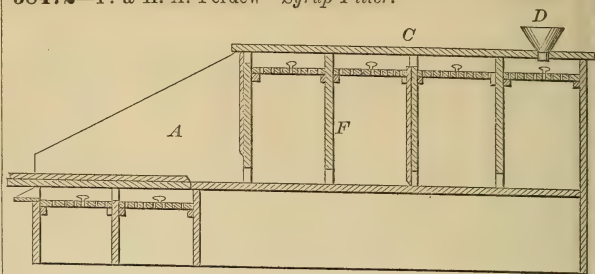




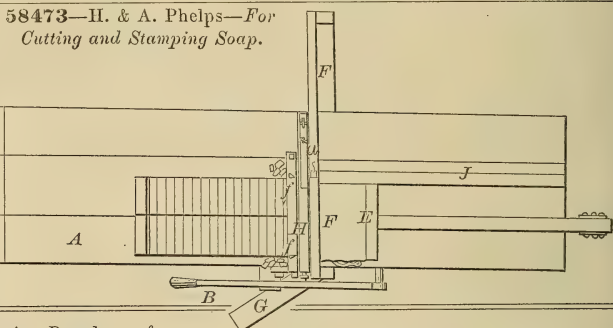
**58471**—A. Patterson—  
For Carburetting Air, &c.



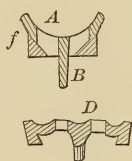
**58472**—P. & H. A. Perdew—Syrup Filter.



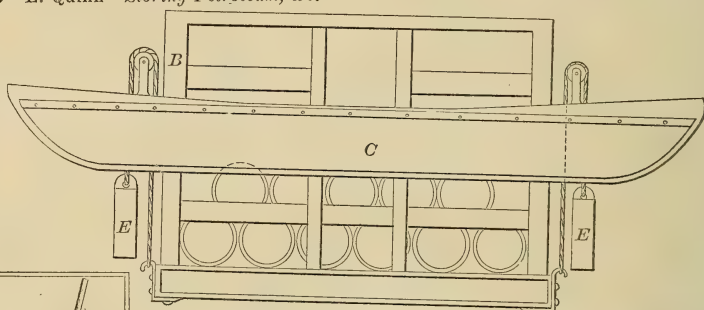
**58473**—H. & A. Phelps—For  
Cutting and Stamping Soap.



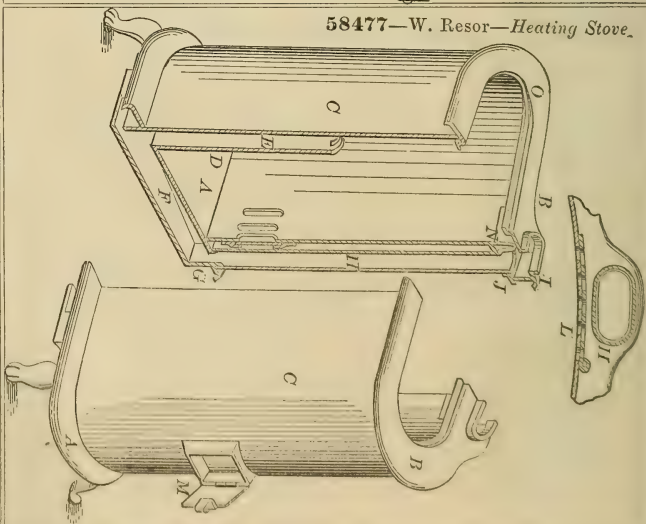
**58474**—C. W. Pierce—  
Grate Bar.



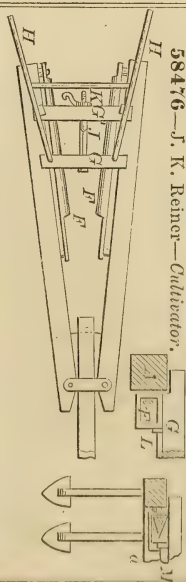
**58475**—E. Quinn—Storing Petroleum, &c.



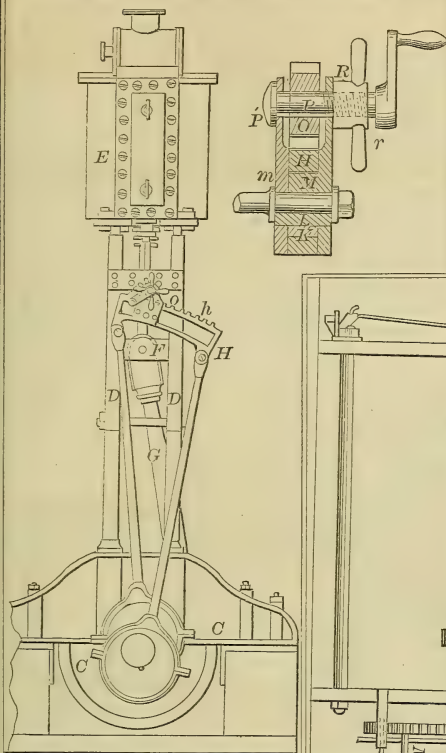
**58477**—W. Resor—Heating Stove.



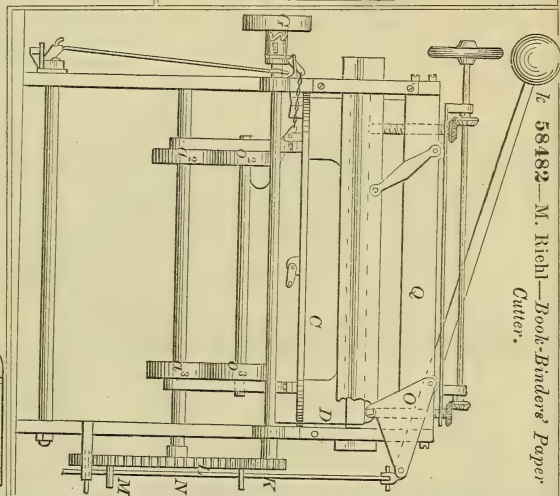
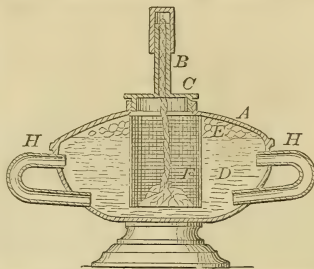
**58476**—J. K. Reiner—Cultivator.



58478—G. H. Reynolds—*Steam Engine.*

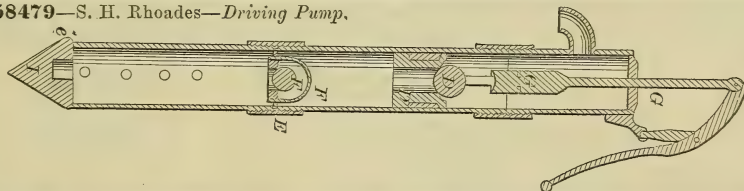


58481—K. Riedel—*Lamp.*

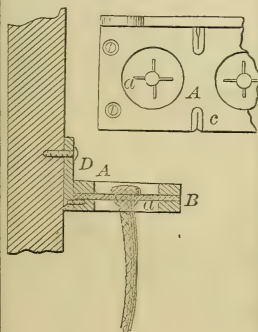


58482—M. Riehl—*Book-Binders' Paper Cutter.*

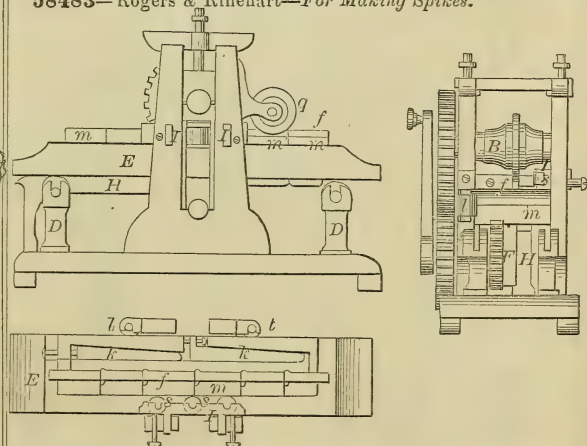
58479—S. H. Rhoades—*Driving Pump.*



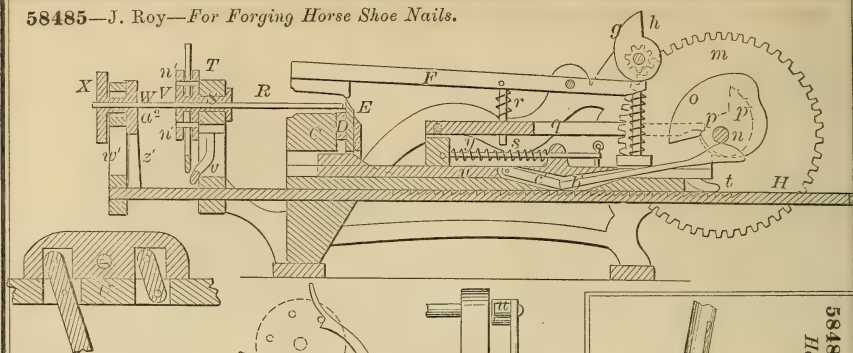
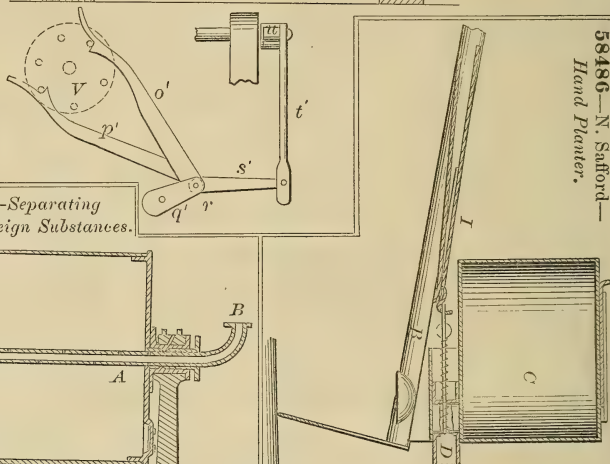
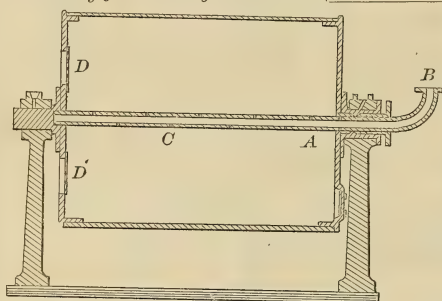
58480—E. Richmond—*Whip Rack.*



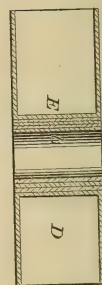
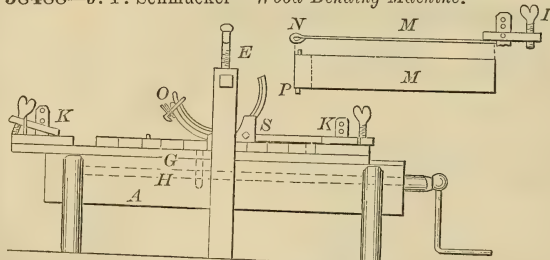
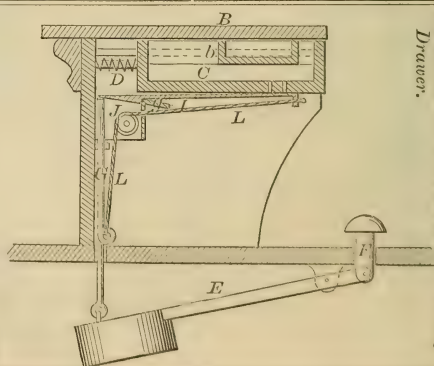
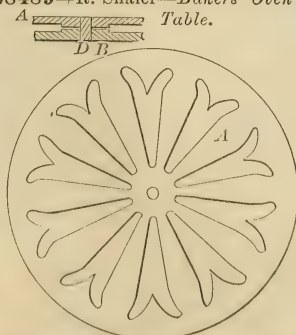
58483—Rogers & Rinehart—*For Making Spikes.*



58485—J. Roy—For Forging Horse Shoe Nails.

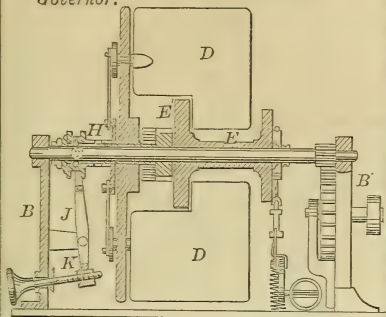
58486—N. Safford—  
Hand Planter.58487—N. C. Sawyer—Separating  
Crude Emery from Foreign Substances.

58488—J. P. Schmucker—Wood Bending Machine.

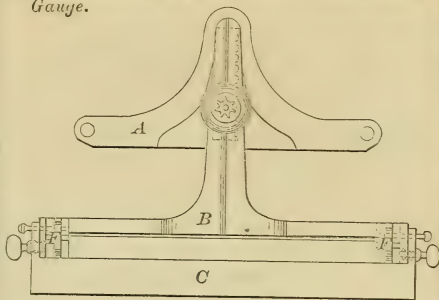
58489—R. Shaler—Bakers' Oven Turn  
Table.58490—A. G. & P. M. Shults—Money  
Drawer.



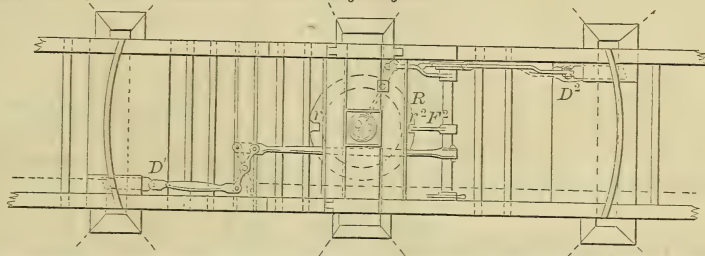
**58491**—T. Silver—*Steam Engine Governor.*



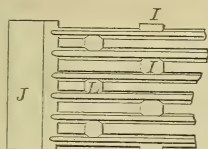
**58498**—Stanley & Goodrich—*Angular Saw Gauge.*



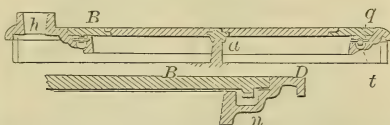
**58492**—A. T. Smith—*Railroad Draw Bridge Signal.*



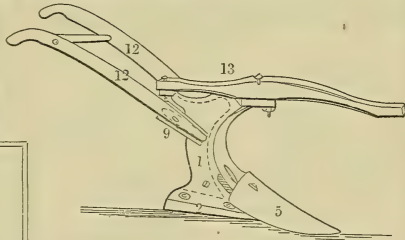
**58494**—S. Smith—*Grate Bar.*



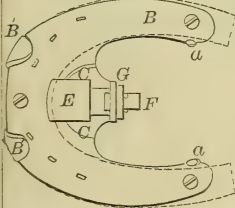
**58493**—S. Smith—*Cooking Stove.*



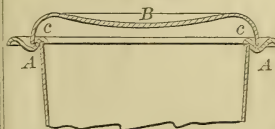
**58500**—C. Steen—*Plow.*



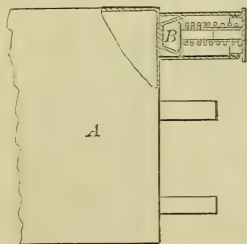
**58495**—E. Snieder—*Horse Shoe.*



**58502**—A. Stewart—*Fruit Can Top.*



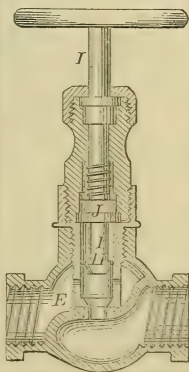
**58496**—T. S. Speakman—*Safety Valve in Water Backs for Ranges.*



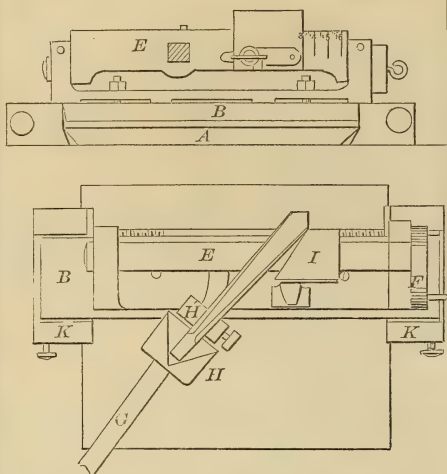
**58501**—F. Stelane—*Setting Stones in Jewelry.*



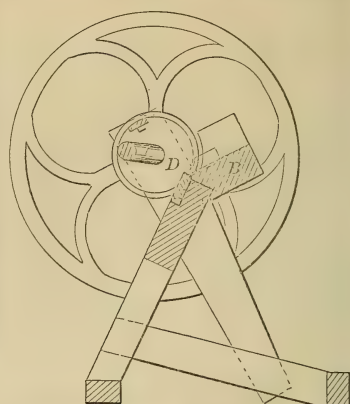
**58503**—Shierle & Paer—*Steam Engine Globe Valve.*



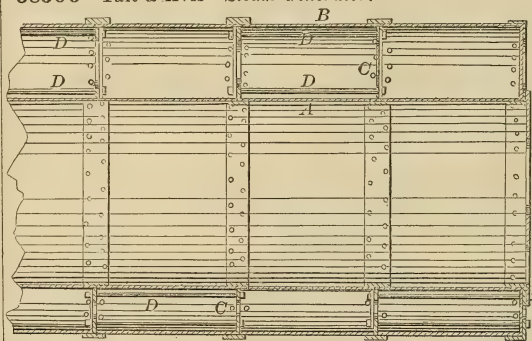
58504—W. H. Strahan—Grindstone Tool.



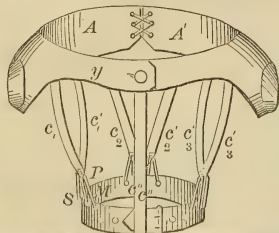
58507—J. A. Taplin—For Cutting Wood.



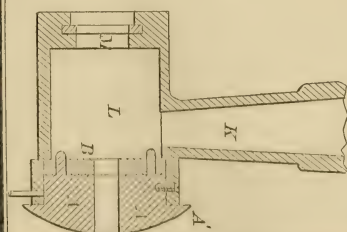
58506—Tait &amp; Avis—Steam Generator.



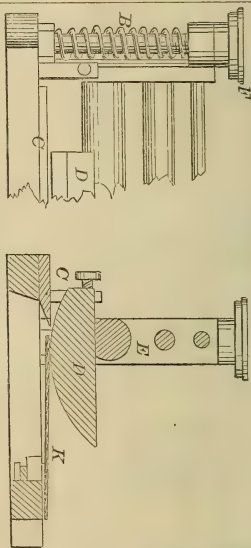
58505—J. Taggart—Skirt Supporter.



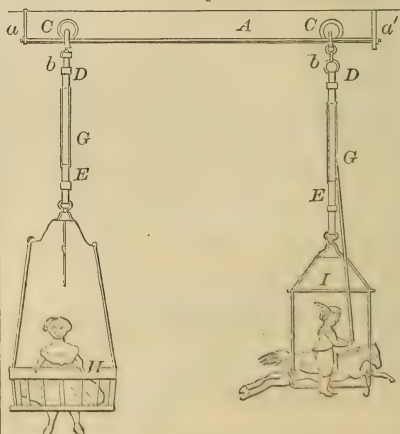
58509—J. Theat—Tuyere.



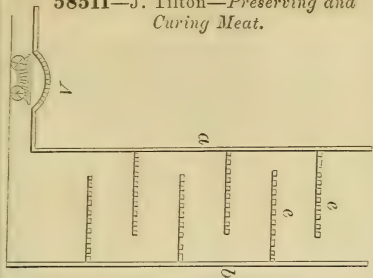
58508—J. S. P. Taylor—Lap Skiver.



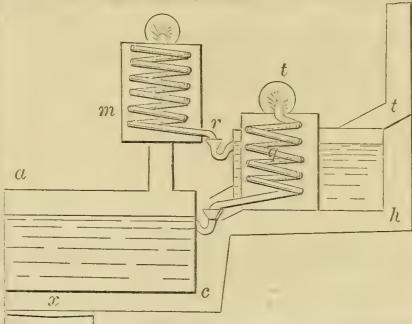
58510—J. P. Thompson—Baby Jumper.



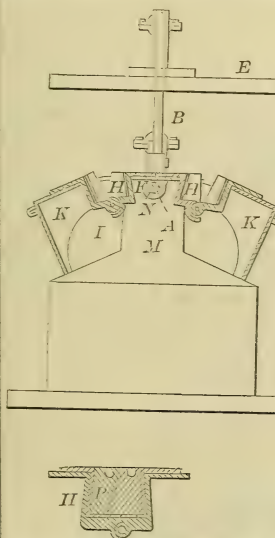
58511—J. Tilton—Preserving and Curing Meat.



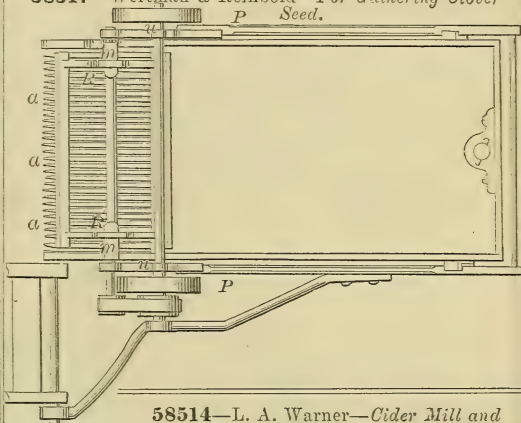
58512—P. H. V. Weyde—Petroleum Double Still.



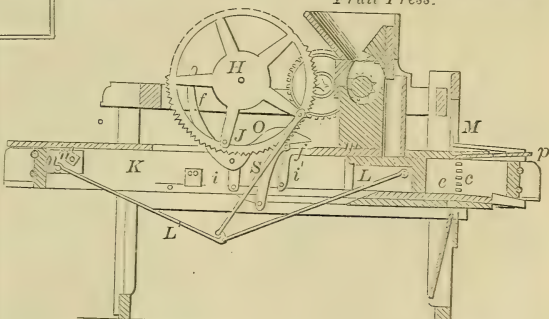
58513—W. W. Jr. & M. J. Walsh—Hat Finishing Press.



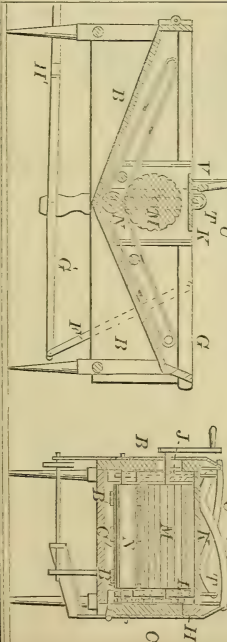
58517—Wertman & Reinhold—For Gathering Clover Seed.



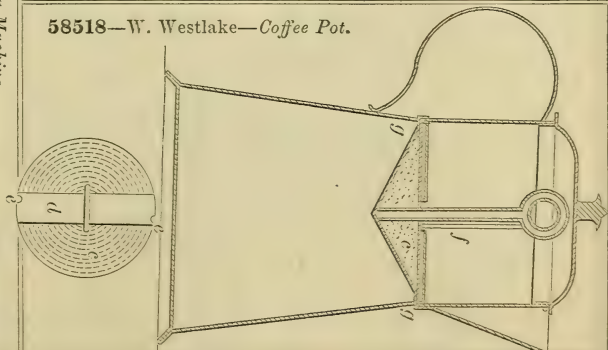
58514—L. A. Warner—Cider Mill and Fruit Press.



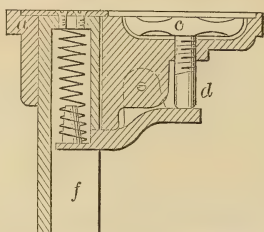
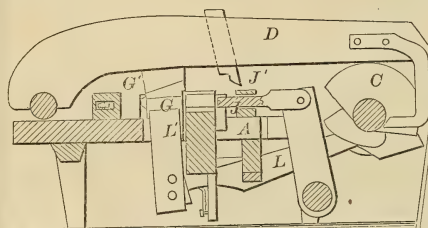
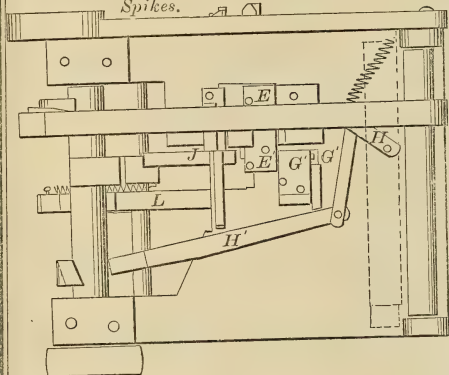
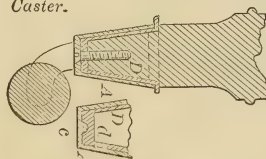
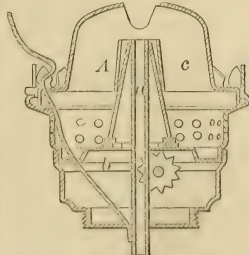
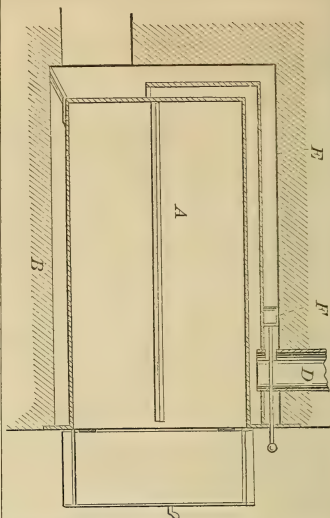
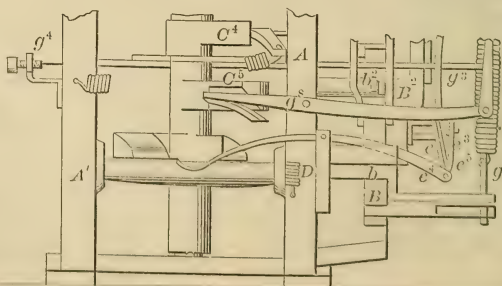
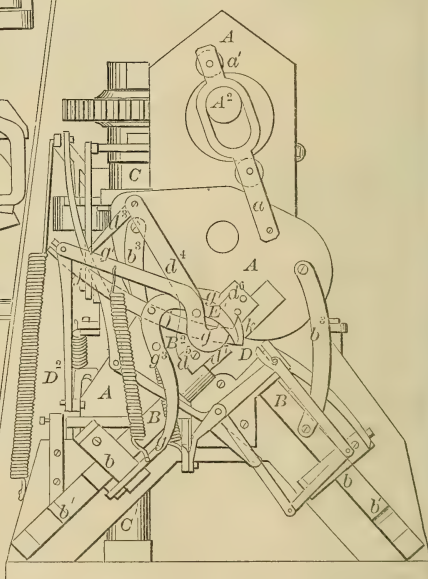
58515—J. L. Weaver—Washing Machine.



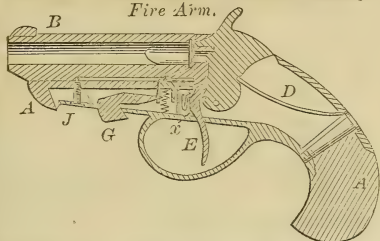
58518—W. Westlake—Coffee Pot.



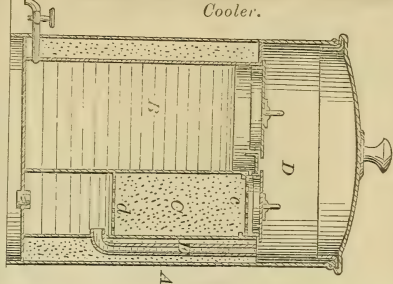


58519—C. H. Weston—*Bench Hook.*58521—A. Whittemore—*For Making Split Spikes.*58523—J. A. Wiedsheim—*Furniture Caster.*58524—S. W. Wilcox—*Lamp Burner.*58522—A. Whitlock—*Oven.*58520—A. Whittemore—*For Making Horse Shoe Nails.*

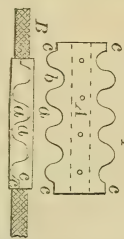
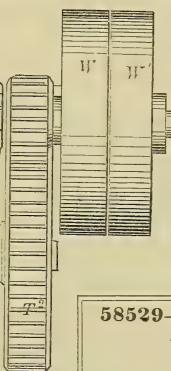
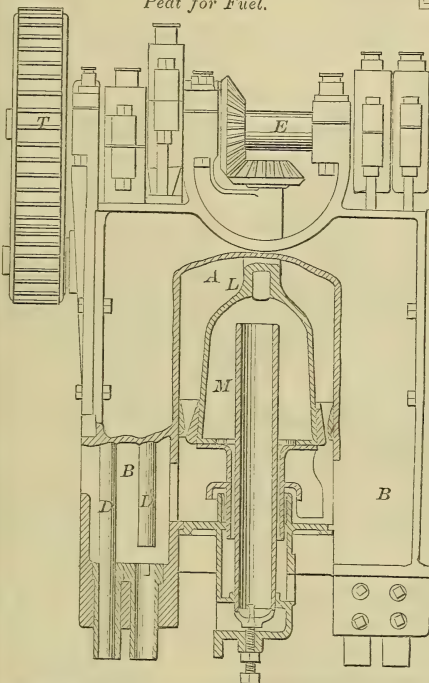
**58525**—D. Williamson—*Breech-Loading Fire Arm.*



**58530**—H. T. Woodman—*Filter and Cooler.*

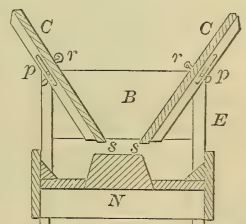


**58528**—Winter & Newton—*For Preparing Peat for Fuel.*

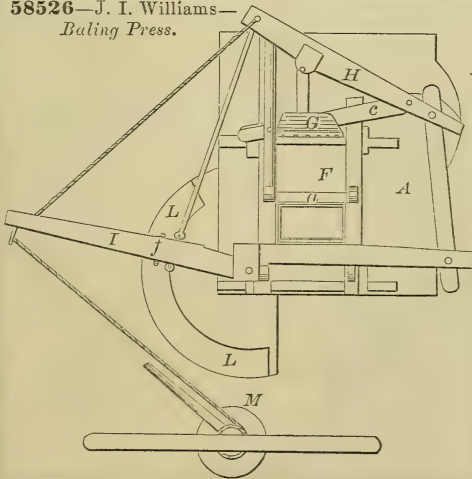


**58527**—S. R. Wilnot—*Hoop Skirt Clasp.*

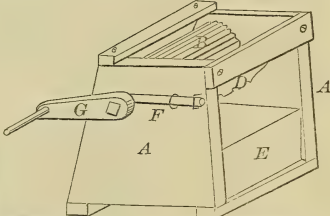
**58529**—J. D. Woodbury—*Sheep Rack.*



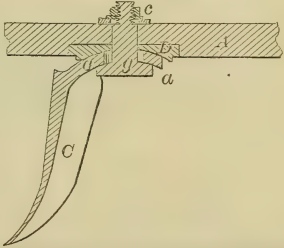
**58526**—J. I. Williams—*Baling Press.*

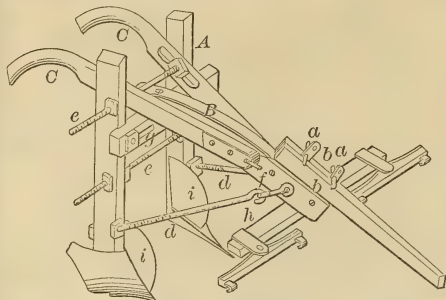
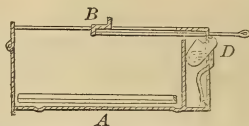
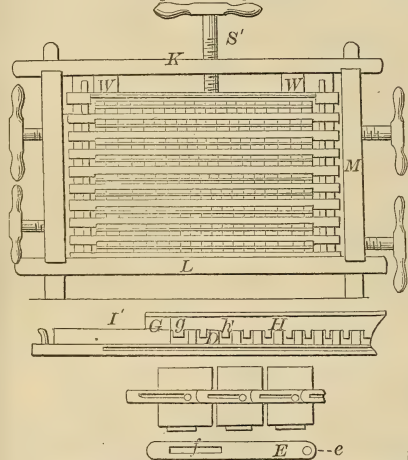
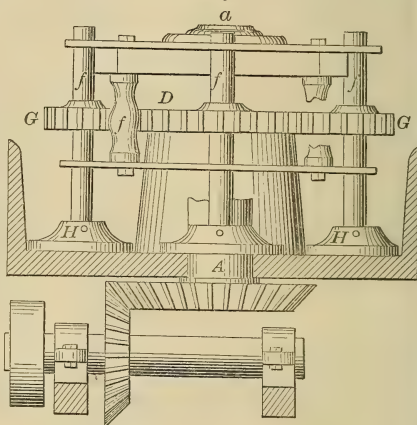
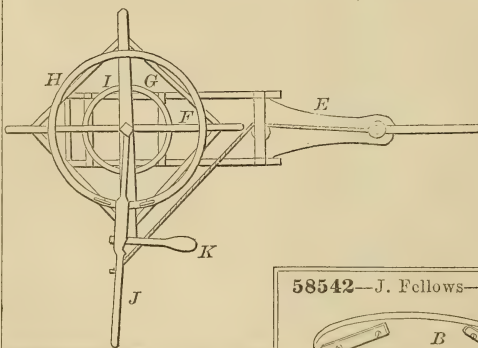
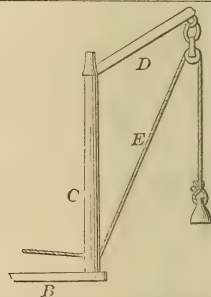
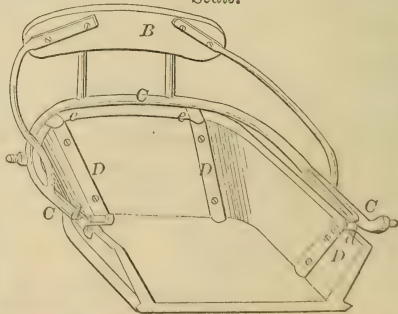


**58531**—C. E. Wright—*Cherry Stoner.*



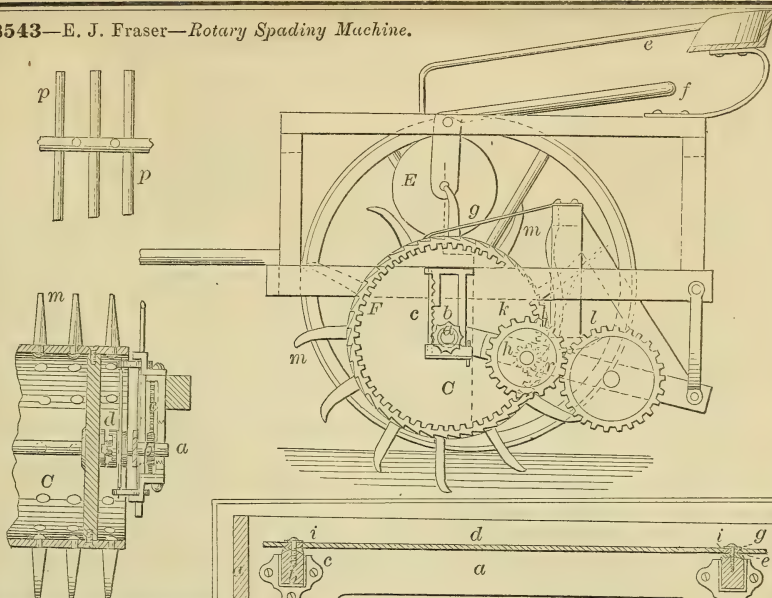
**58533**—G. W. Zeigler—*Attaching Cultivator Teeth to Frames.*



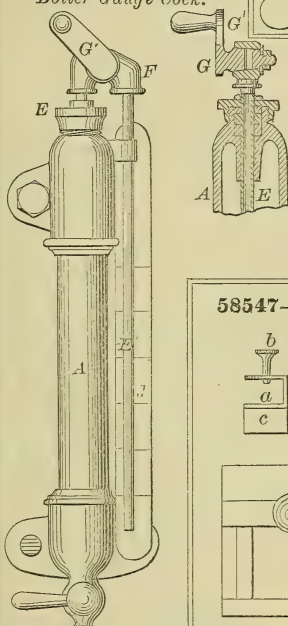
58534—C. Zimmerman—*Plow*.58536—J. E. Auld—*Match Safe*.58540—T. B. De Forrest—*Hoop Skirt Clasp*.58538—J. Campbell—*Cigar Press*.58539—I. S. Croll—*Quartz Crusher*.58541—P. C. Ellsworth—*Hay Elevator*.58535—W. W. Armington—*Clothes Pole*.58542—J. Fellows—*Shifting Rail for Carriage Seats*.58537—W. Belcher—*Cigar Light*.



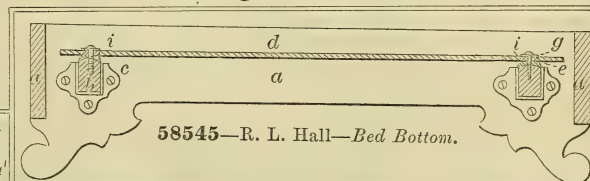
**58543**—E. J. Fraser—*Rotary Spading Machine.*



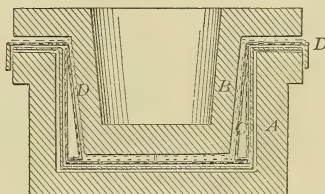
**58546**—W. T. Howard—*Boiler Gauge Cock.*



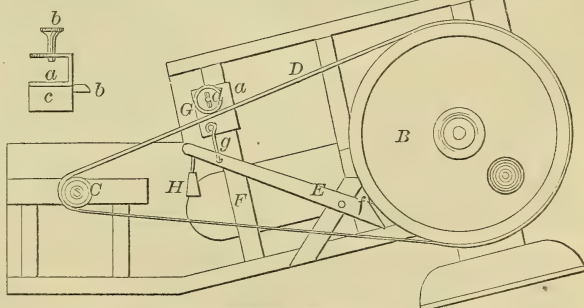
**58545**—R. L. Hall—*Bed Bottom.*



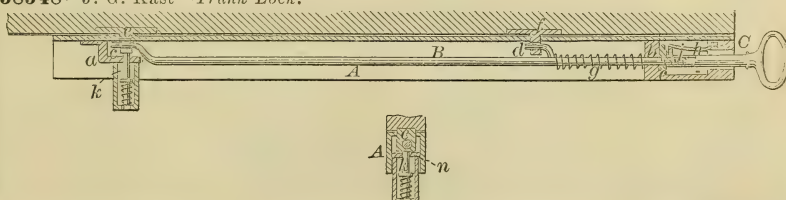
**58544**—I. T. Green—*Hat Pressing Machine.*



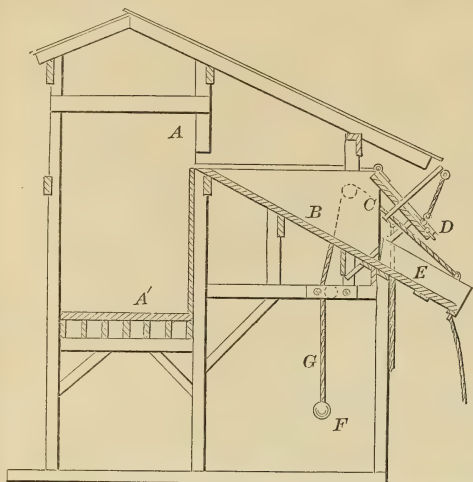
**58547**—Hull & Anderson—*Horse Power Brake.*



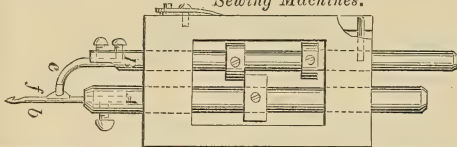
**58548**—J. G. Kast—*Trunk Lock.*



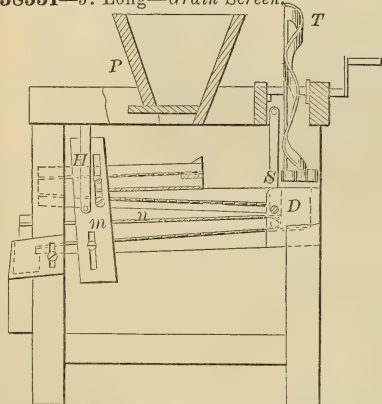
58549—E. R. Kerr—Coal Dumping Apparatus.



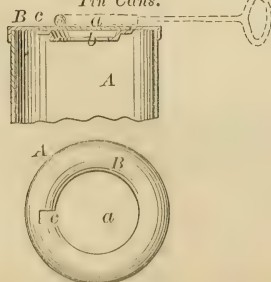
58550—C. E. Langmaid—Cast-off of Waxed Thread Sewing Machines.



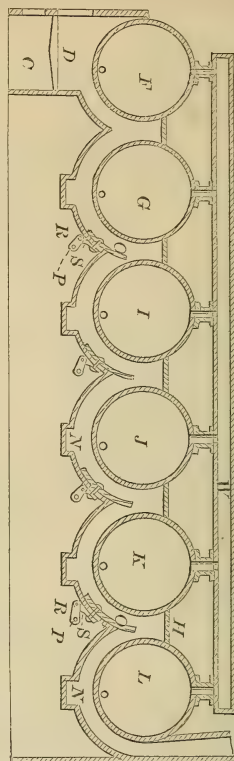
58551—J. Long—Grain Screen.



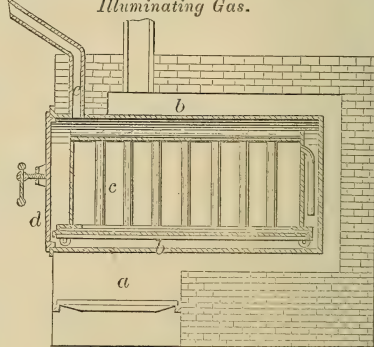
58554—J. Osterhondt—Opening Tin Cans.



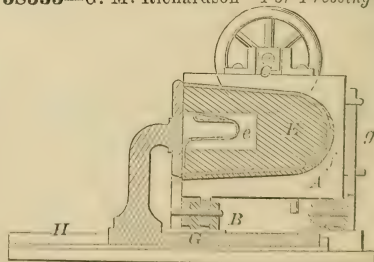
58552—H. Mc Clure—Furnace and Boiler.



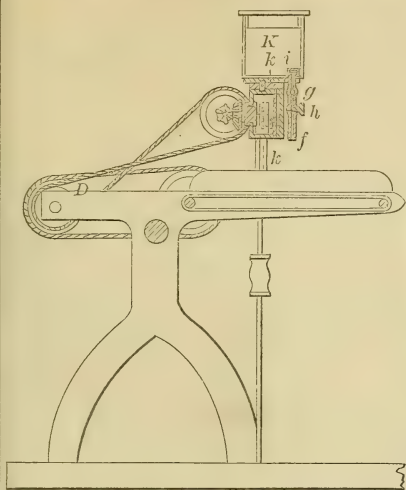
58553—A. Millochau—Manufacture of Illuminating Gas.



58555—G. M. Richardson—For Pressing Bonnets.

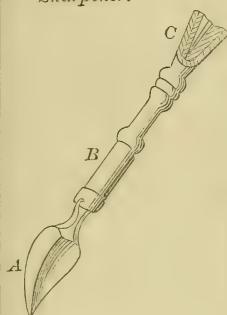


58556—W. H. Salisbury—*Wool Oiling Machinery.*

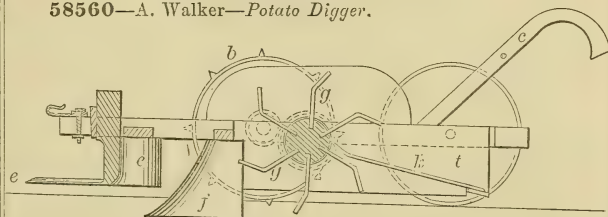


58557—T. T. Shawcross—*Corn Planter.*

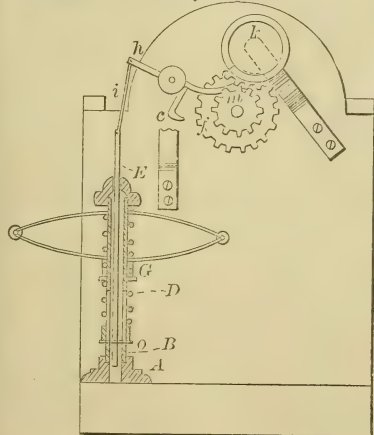
58558—C. D. Smith—*Eraser and Pencil Sharpener.*



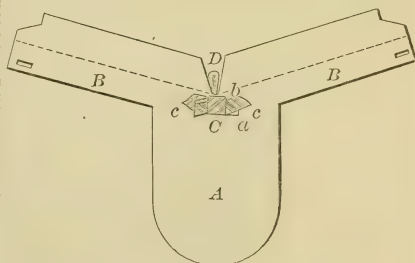
58560—A. Walker—*Potato Digger.*



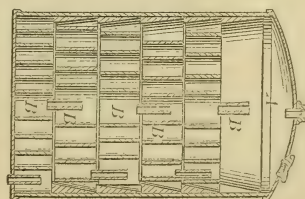
58563—G. Keeble—*For Cutting Continuous Sheets of Paper.*



58561—G. V. Woods—*Neck Tie, Collar, and Bosom.*

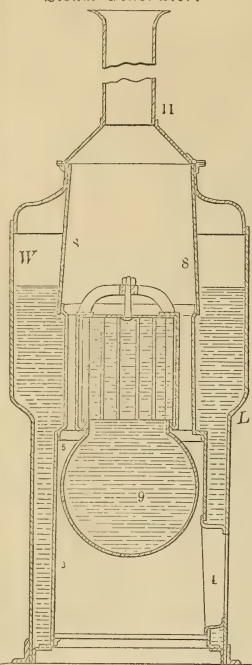


58559—L. Stevens—*For Carburetting Air.*

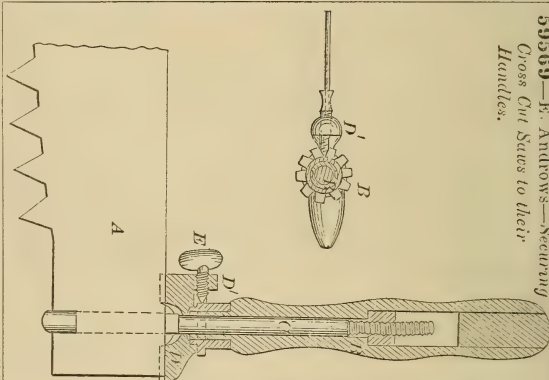
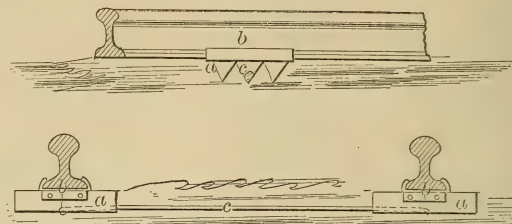




**58564**—R. W. Tompson—  
*Steam Generator.*

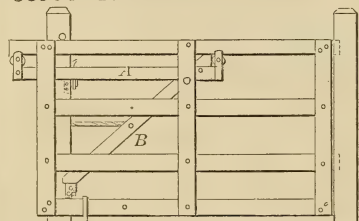


**58565**—S. Winkley—*Railway.*

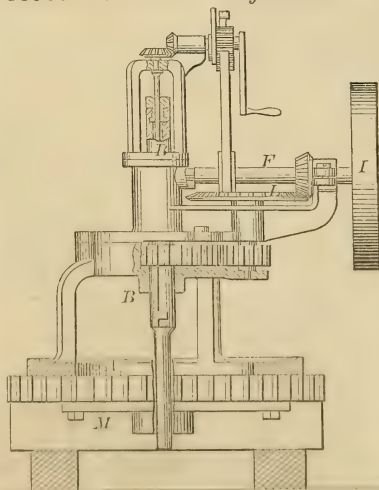


**59569**—E. Andrews—*Securing  
Cross Cut Saws to their  
Handles.*

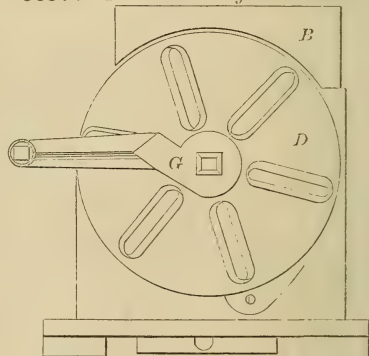
**58566**—P. M. Ackerman—*Gate.*



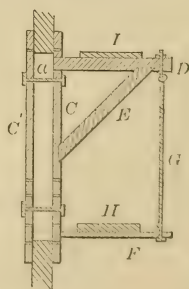
**58568**—R. Allison—*Boring Machine.*



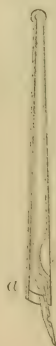
**58570**—F. Arnold—*Vegetable Cutter.*



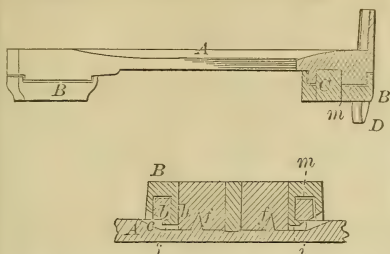
**58571**—W. Arrouquier—*Staging.*



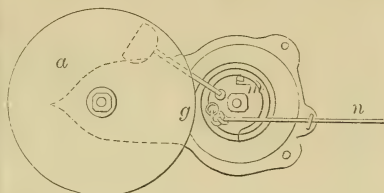
**58572**—E. Dwight—*Pen Holder.*



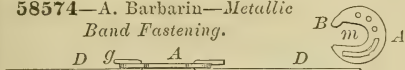
58573—H. H. Baker—*Horse Shoe.*



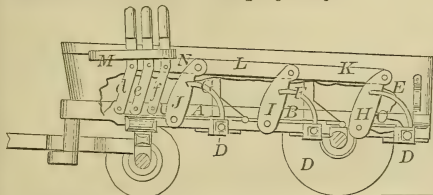
58576—H. Barton—*House Bell*.



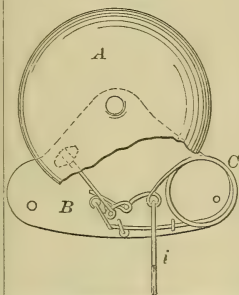
58574—A. Barbarin—*Metallic Band Fastening.*



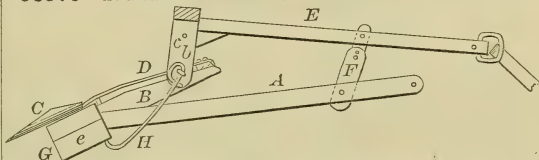
58575—H. Barton—*Dumping Wagon.*



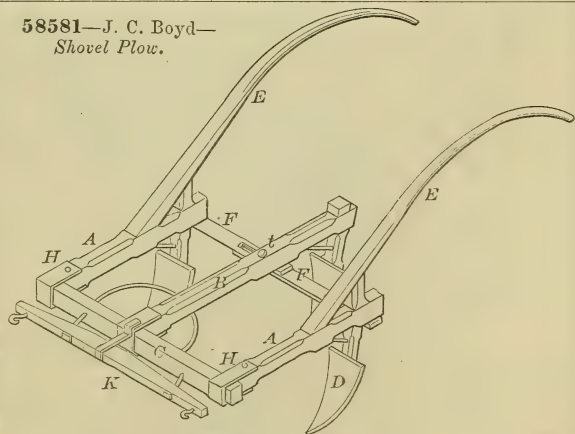
58580—I. A. Bevin—  
*Gong Bell.*



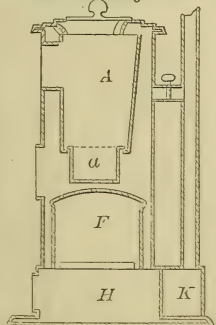
58578—T. Beale—*Cultivator*.



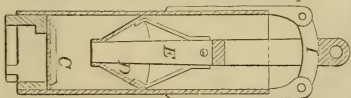
58581—J. C. Boyd—  
*Shovel Plow.*



58582—N. A. Boynton—  
*Base Burning Stove.*



58579—J. Benson—*Sand Pump.*

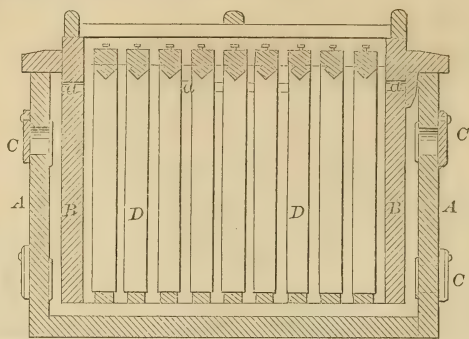
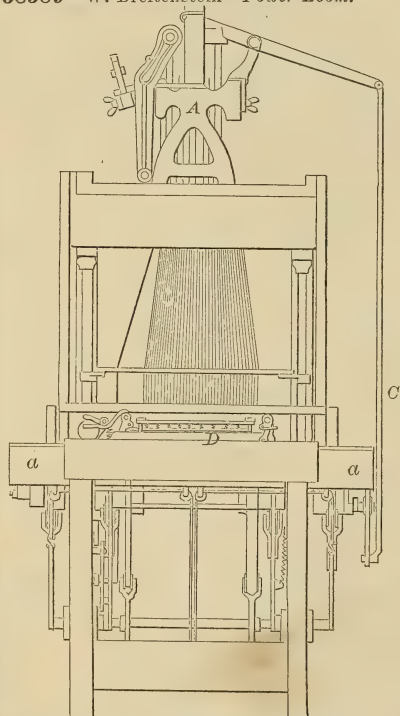
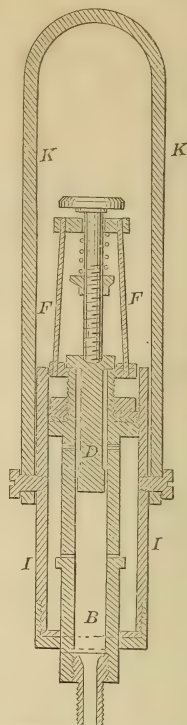
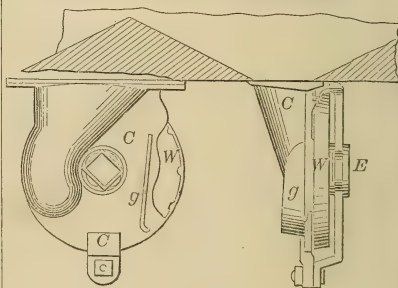
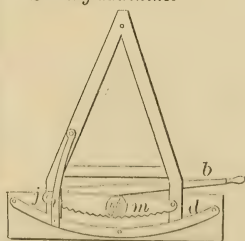


58583—E. Bredt—  
*Galloon Trimming.*



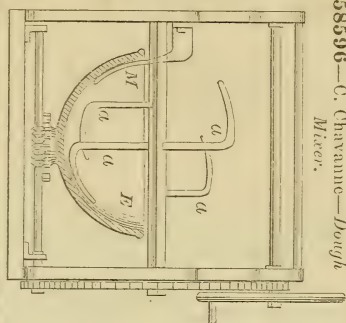
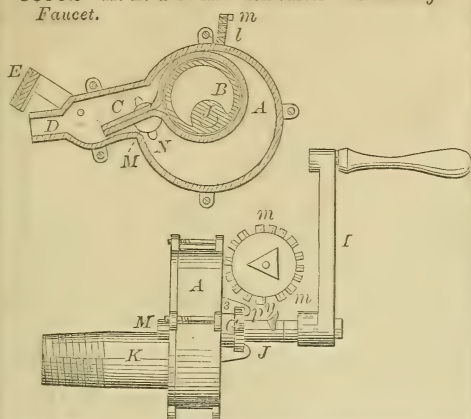
58584—E Bredt—  
*Galloon Trimming.*



58585—Bristol & Alverson—*Beehive*.58589—W. Breitenstein—*Power Loom*.58587—C. F. Brown—*Safety Valve Tender*.58588—C. P. Brown—*Seed Planter*.58586—N. Brockway—*Sawing Machine*.58590—J. P. Brown—*Bedstead*.

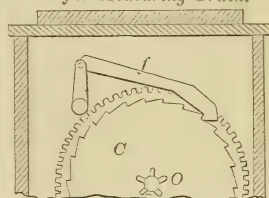


58592—H. L. & J. A. Buckwalter—Measuring  
Faucet.

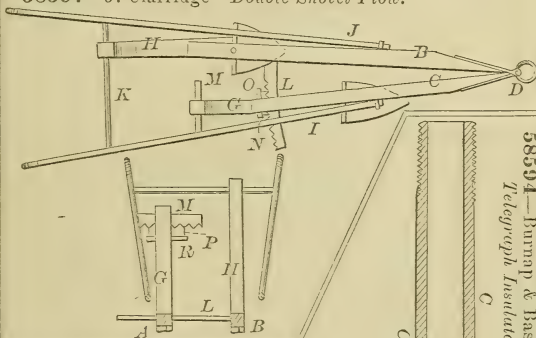


58596—C. Chavanne—Dough  
Mixer.

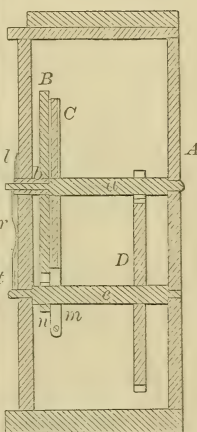
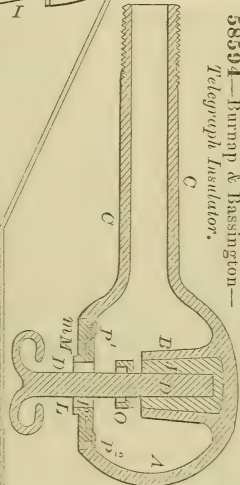
58593—A. J. Burke—Tally  
Box for Measuring Grain.



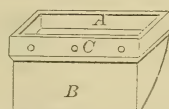
58597—J. Clarridge—Double Shovel Plow.



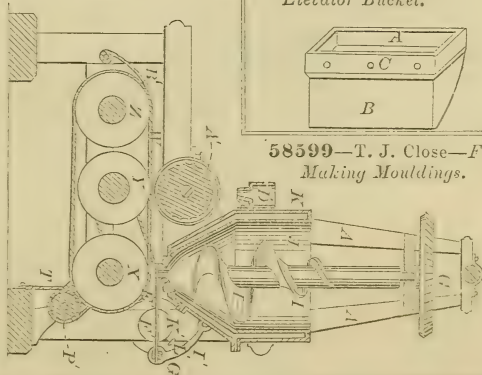
58594—Burnap & Bassington—  
Telegraph Insulator.



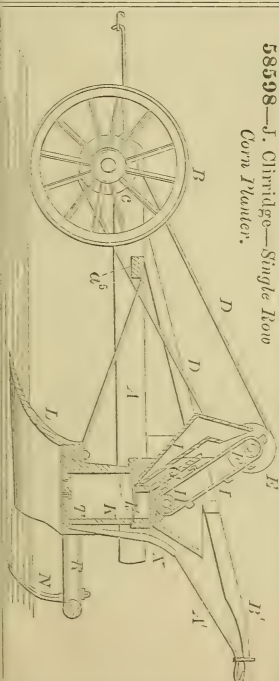
58595—C. Camp—  
Elevator Bucket.

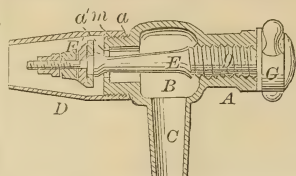
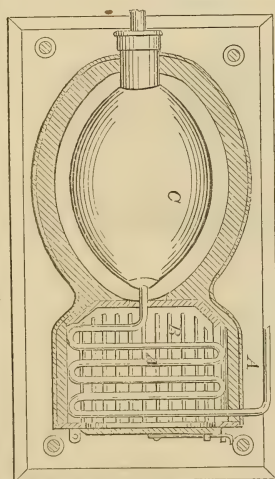
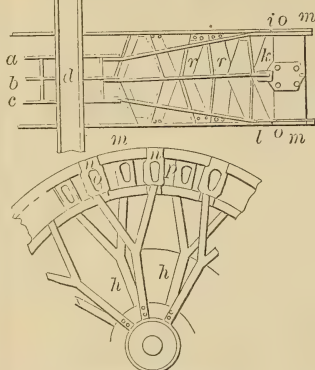
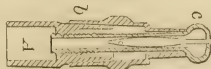
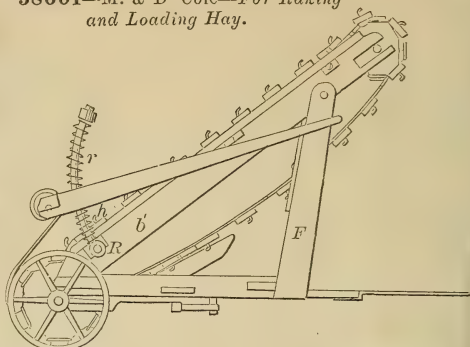
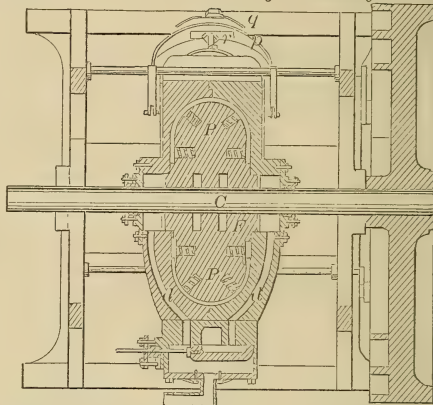
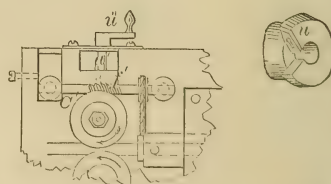
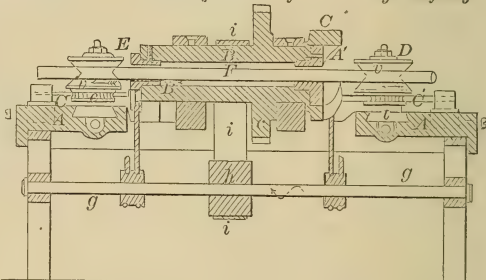
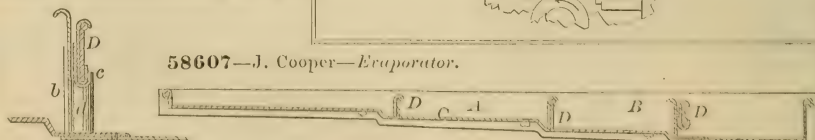


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Making Mouldings.

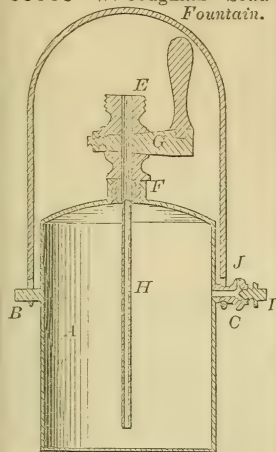


58598—J. Chiridge—Single Row  
Corn Planter.

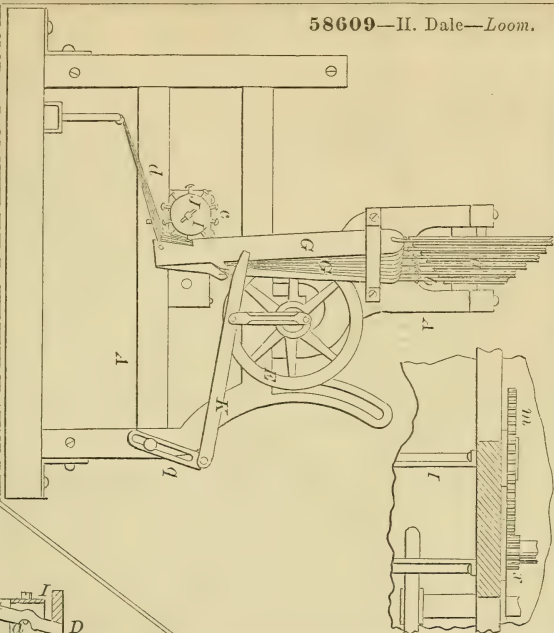


**58600**—T. M. Coffin—*Faucet.***58603**—Collins & Holland—*Paddle Wheel.***58604**—W. Conant—*Steam Generator.***58606**—J. B. Coolidge—*Gas Burner.***58601**—M. & D. Cole—*For Raking and Loading Hay.***58602**—M. H. Collins—*Rotary Steam Engine.***58605**—J. J. Conley—*Lathe for Turning Shafting.***58607**—J. Cooper—*Evaporator.*

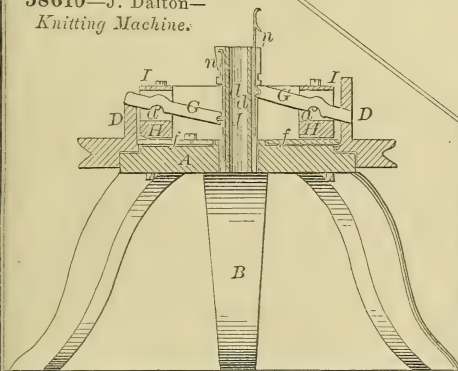
58608—W. Coughlan—Soda Fountain.



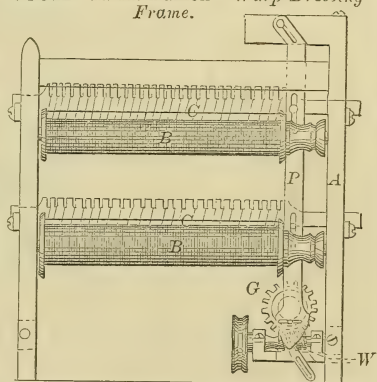
58609—H. Dale—Loom.



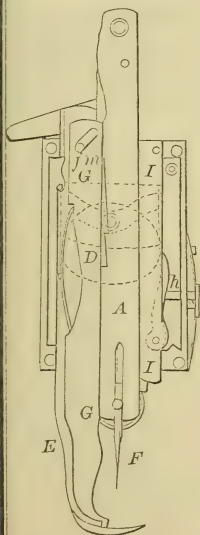
58610—J. Dalton—Knitting Machine.



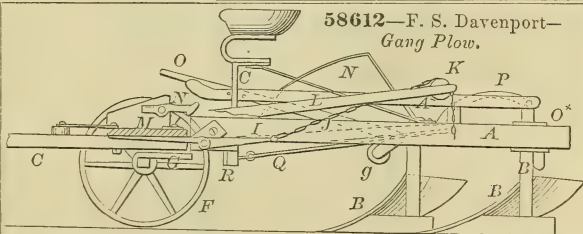
58611—A. M. Damon—Warp Dressing Frame.



58614—J. A. Davis—Needle Feed of Sewing Machines.

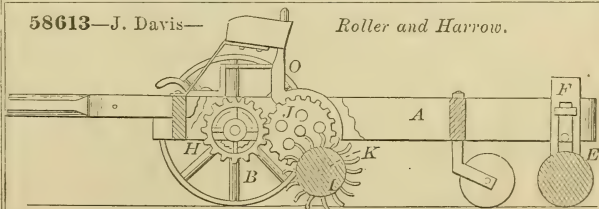


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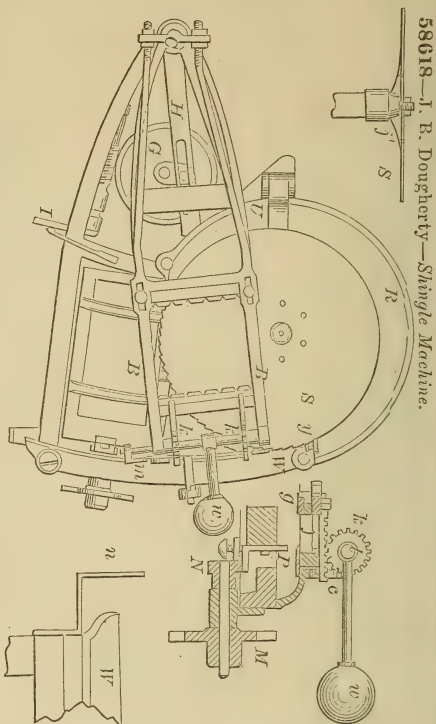
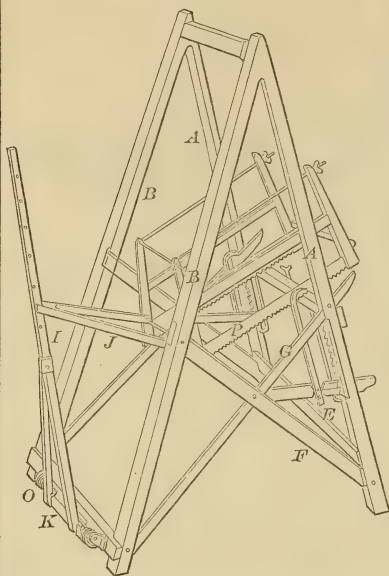
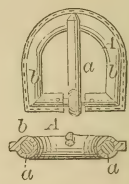
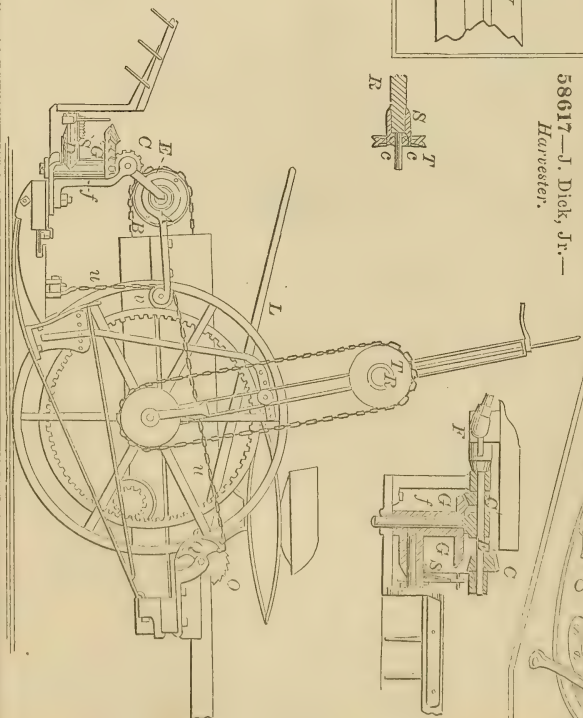
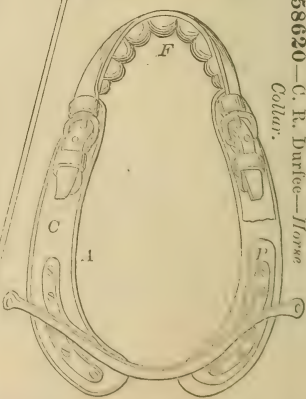


58613—J. Davis—

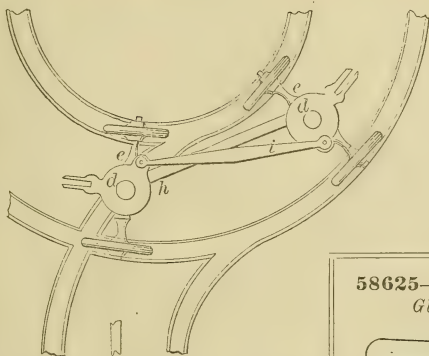
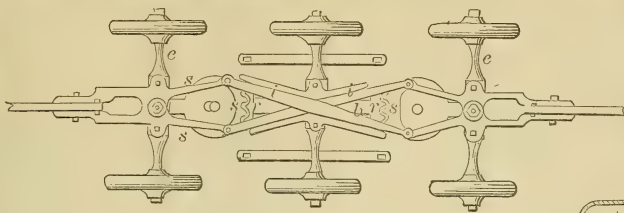
Roller and Harrow.



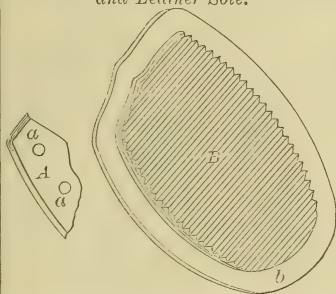


58616—C. M. Day—*Hand Wood Saw.*58618—J. B. Dougherty—*Shingle Machine.*58617—J. Dick, Jr.—*Harvester.*58619—R. C. Dunham—*Buckle and Ring.*58620—C. R. Dartee—*Horse Collar.*

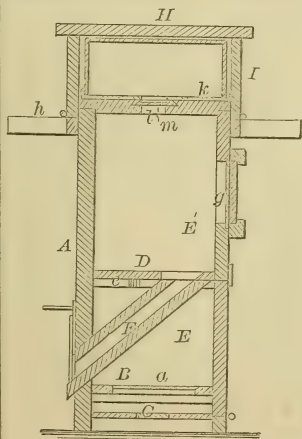
58621—Z. Eastman—*Railway.*



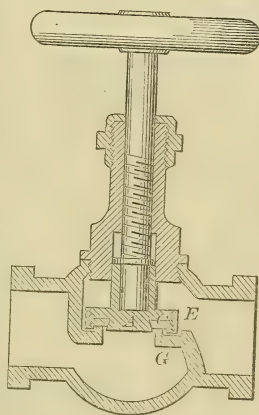
58623—L. Elliott, Jr.—*India Rubber and Leather Sole.*



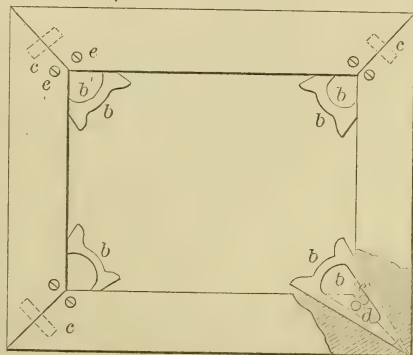
58624—A. E. Ellis—*Beehive*.



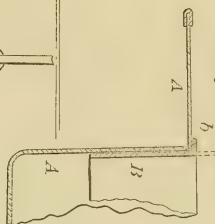
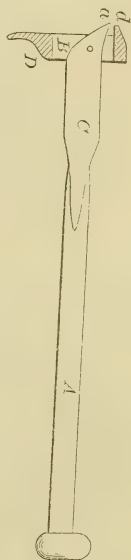
58625—T. R. Fancher—  
*Globe Valve.*

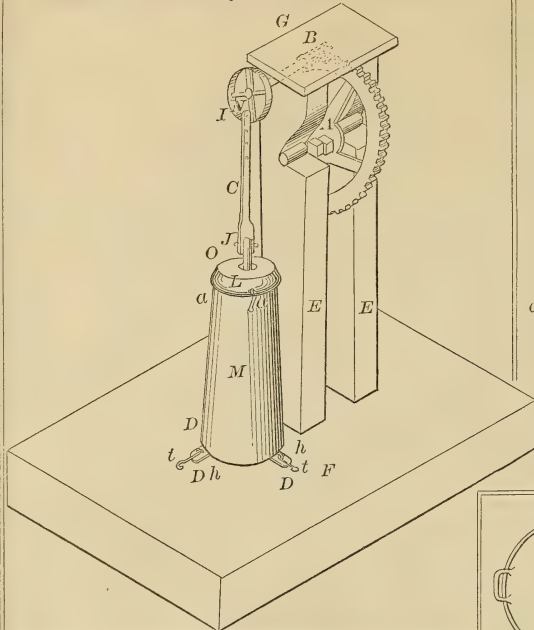
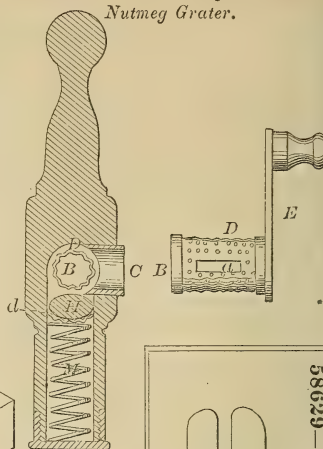
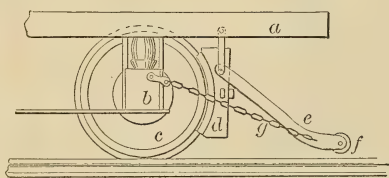
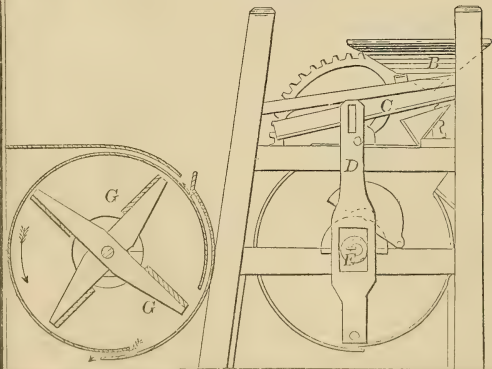
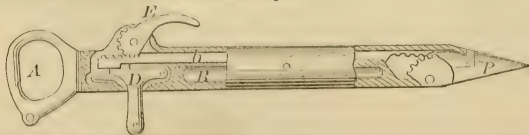
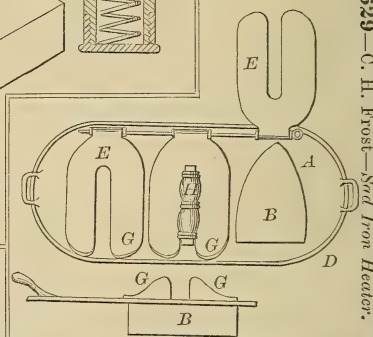
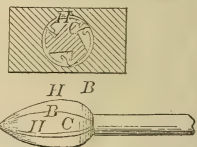
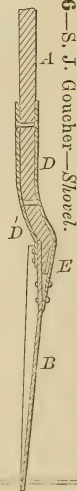
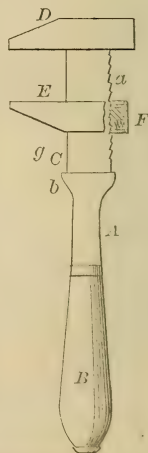


58627—Flagg & Storer—*Canvas Stretcher*.



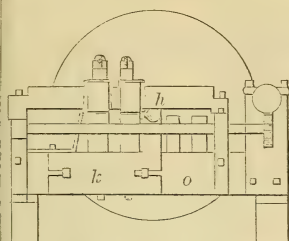
58622—R. Fickemeyer—*Sewing Sweat Linings into Hats.*

58626—R. A. Fish—*Spide Puller*.

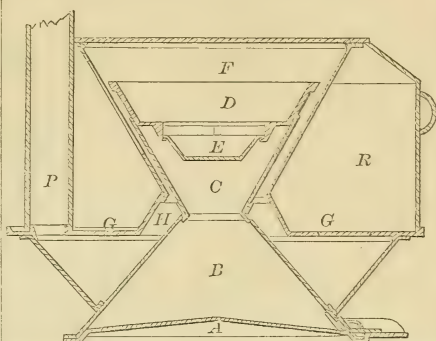
58628—J. W. Forsyth—*Churn.*58632—C. L. Gilpatric—*Nutmeg Grater.*58634—M. J. Goodwin—*Railway Track Clearer.*58630—F. Frye—*Winnowing Machine.*58635—A. Gordon—*Horse Hay Fork.*58629—C. H. Frost—*Sod Iron Heater.*58631—W. H. Gates—*Dental Drill.*58636—S. J. Goucher—*Shovel.*58633—W. D. Gold—*Wrench.*



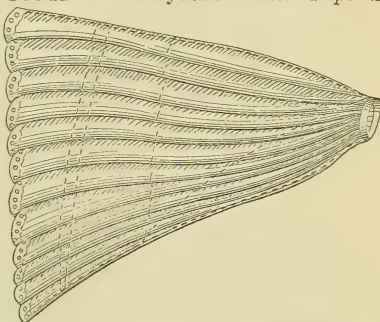
58637—S. L. Gould—*Nail Machine.*



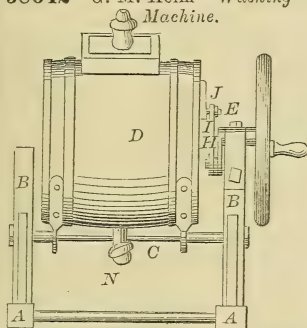
58638—D. Graves—*Cooking Stove.*



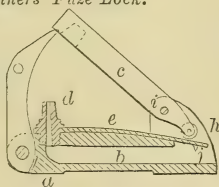
58641—J. H. Hayward—*Ladies' Paper Skirt.*



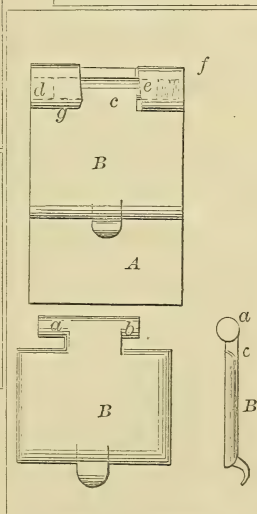
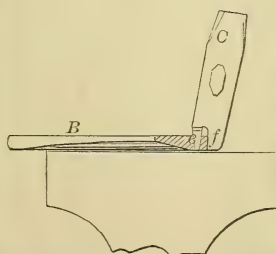
58642—G. M. Heim—*Washing Machine.*



58639—G. Hagenmeyer—*Miners' Fuze Lock.*



58645—C. Huie—*Horse Shoe Punch.*

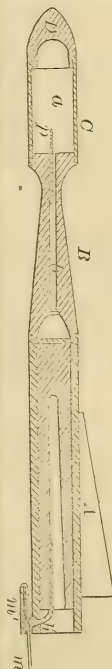


58640—F. K. Hain—*Arle Box Core.*

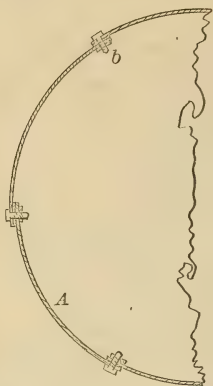
58647—A. Huston—*Hub.*



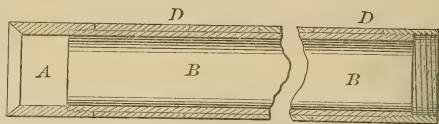
58646—E. S. Hunt—*Rocket.*



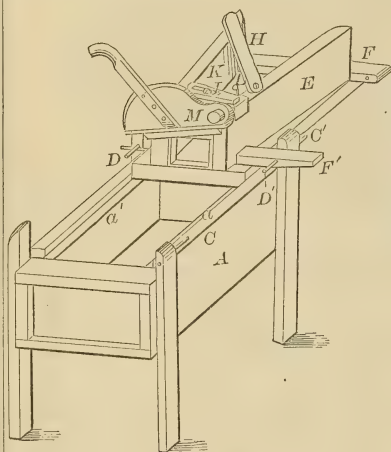
58648—T. C. Joy—Oil Tank.



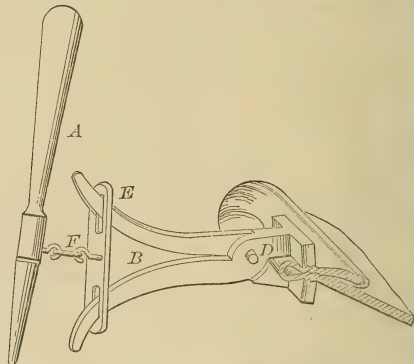
58650—G. L. King—Driving Pipe for Oil Wells.



58649—A. B. King—Feed Cutter and Box.



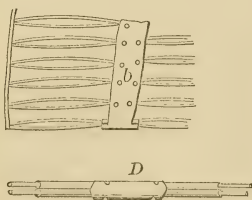
58653—C. A. Lindner—Carpet Stretcher.



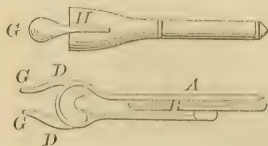
58656—H. S. Lucas—Blasting Cartridge.



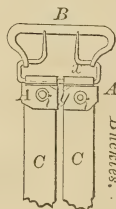
58651—J. Levy—Skirt Hoop.



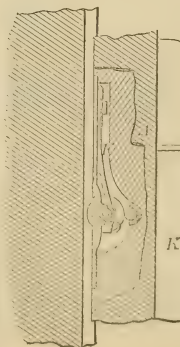
58654—F. Lindner—For Making Button Holes.



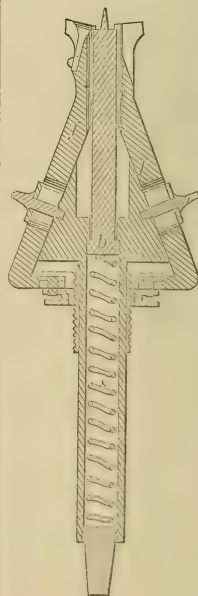
58657—H. H. Mansfield—Metallic Fastening for Buckles.



58655—J. W. &amp; S. A. Livingston—Sash Supporter and Fastener.



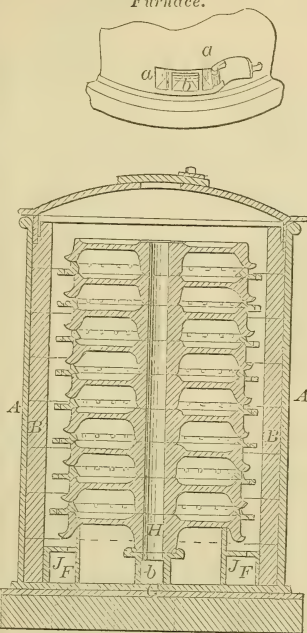
58658—J. McClure—Hollow Auger.



58659—C. McCrea—Pruning Knife.



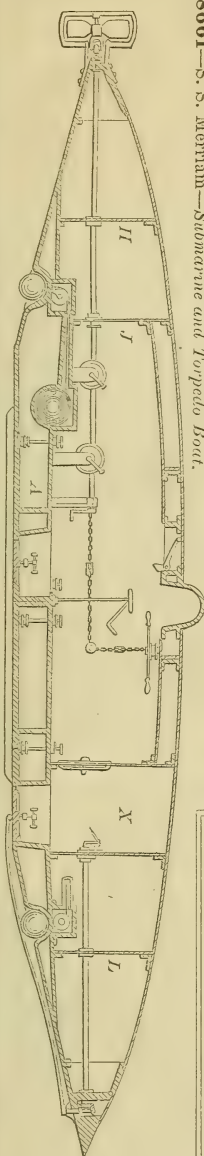
58666—H. W. Moore—Annealing Furnace.



58664—W. P. Miller—Saw.



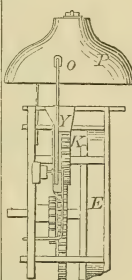
58661—S. S. Merriam—Submarine and Torpedo Boat.



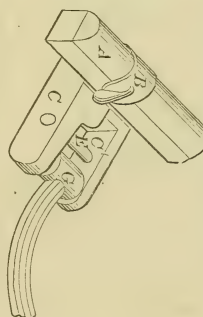
58665—G. I. Mix—Spoon.



58662—E. Middleton—Fire and Burglar Alarm.



58663—J. S. Miller—Attaching Thills or Tongues to Vehicles.



58667—G. G. W. Morgan—Paper Fastener. Fig. 2

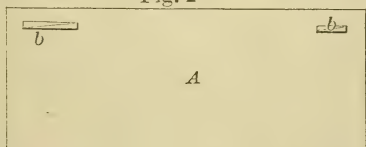


Fig. 2

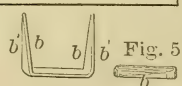
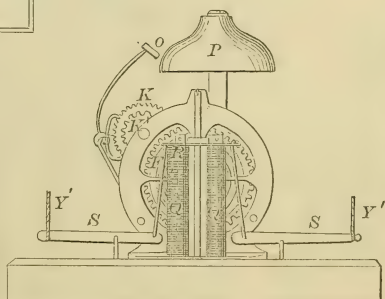
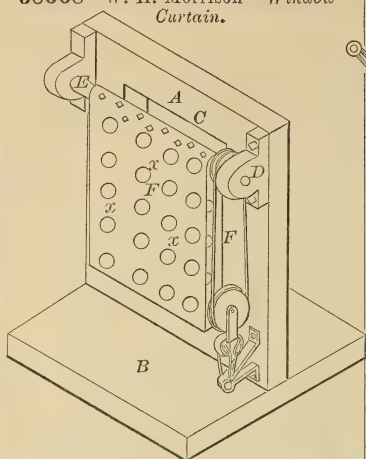


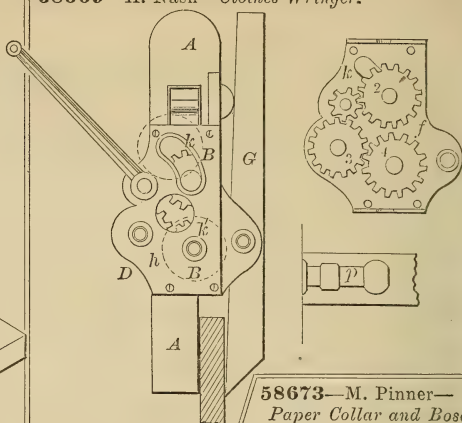
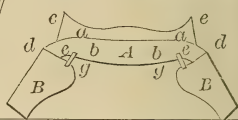
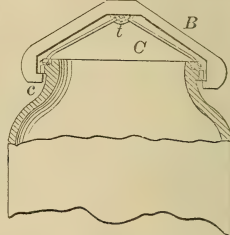
Fig. 5



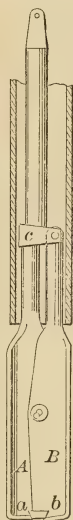


58668—W. H. Morrison—Window  
Curtain.

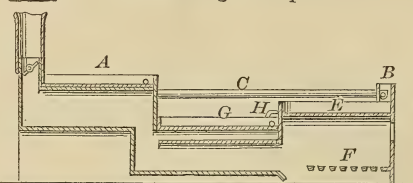
58669—H. Nash—Clothes Wringer.

58673—M. Pinner—  
Paper Collar and Bosom.58674—G. A. Reynolds—  
Fruit Jar.

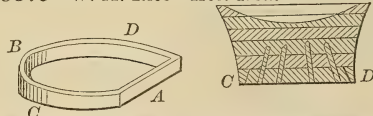
58672—J. T. Parker—Well Borer.



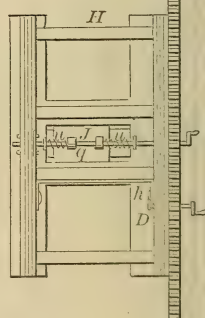
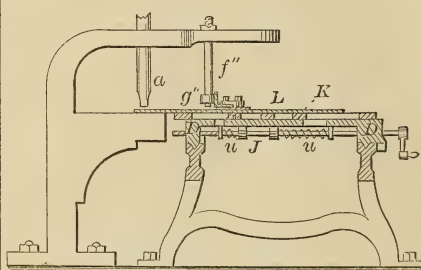
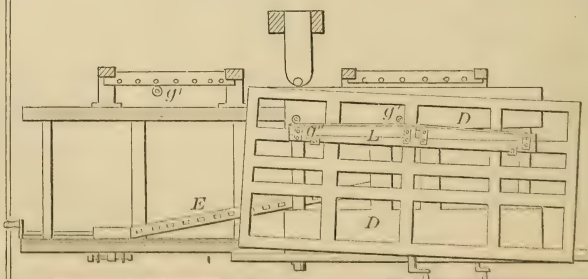
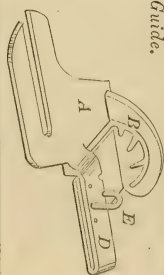
58671—S. Page—Evaporator.



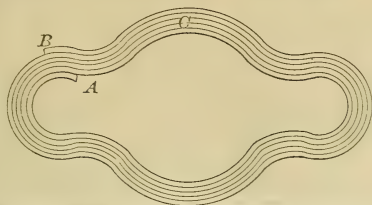
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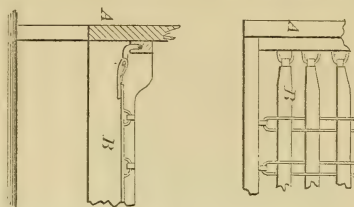
58676—Riter &amp; Farquhar—For Punching Sheets of Metal.

58670—S. D. Ogburn—Hemming  
Guide.

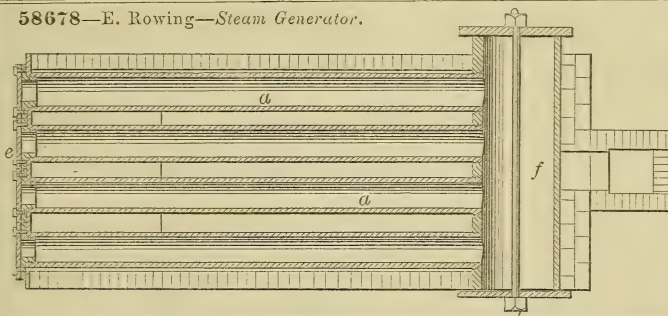
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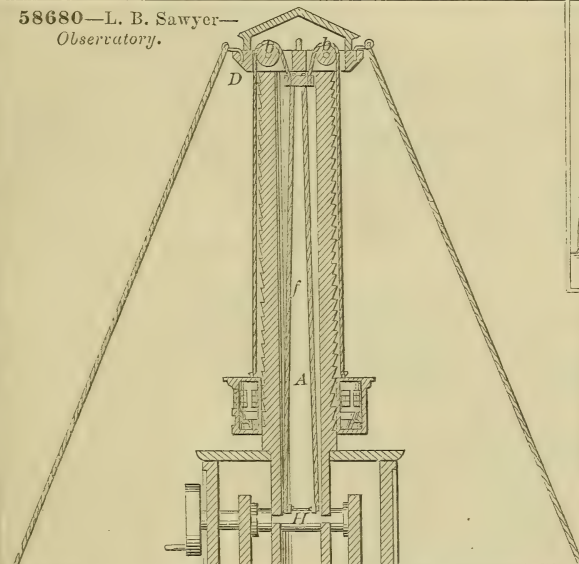
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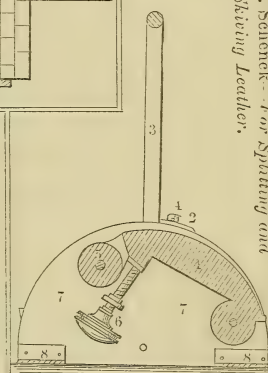
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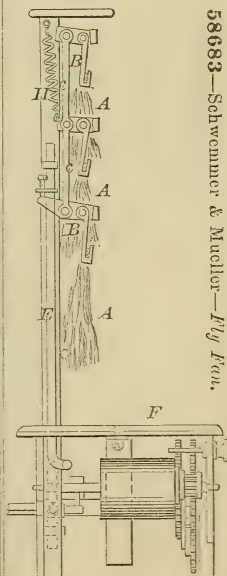
58680—L. B. Sawyer—*Observatory*.



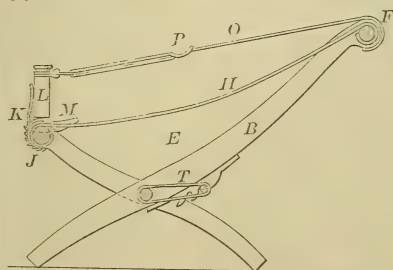
58681—S. H. Schenck—*For Splitting and Shaving Leather*.



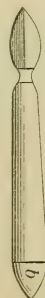
58683—Schwemmer & Mueller—*Fly Pen*.



58682—C. C. Schmitt—*Chair*.



58684—A. G. Shaver—*Eraser and Burnisher*.



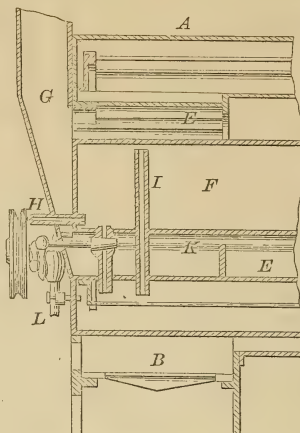
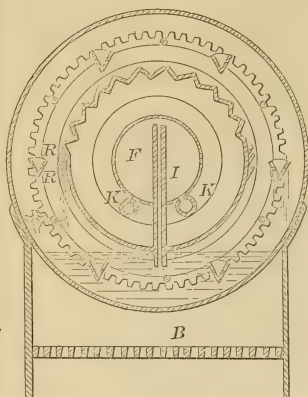
58685—S. Sherman—*Steam Generator.*58687—D. M. Smith—*Paper Holder.*

Fig. 1

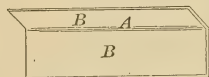
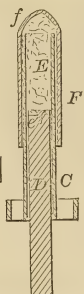
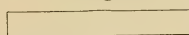
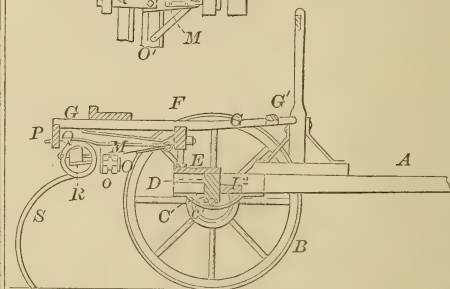
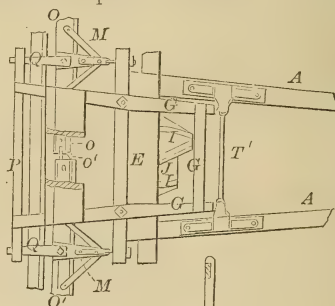
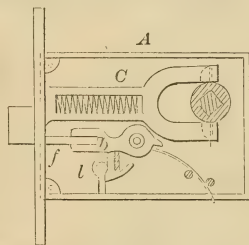
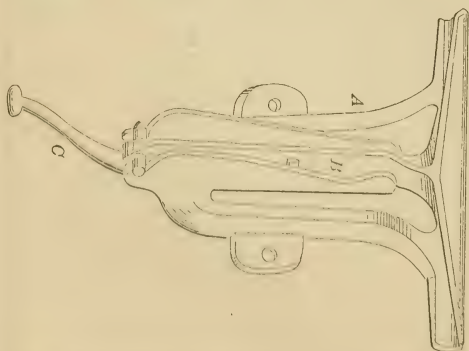
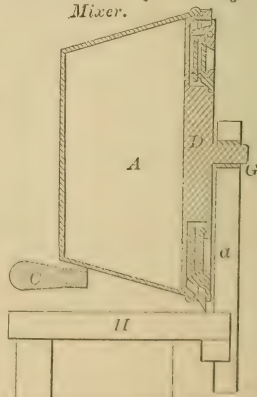
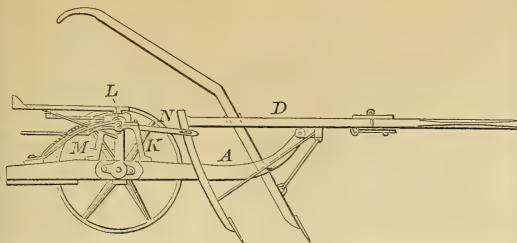


Fig. 2

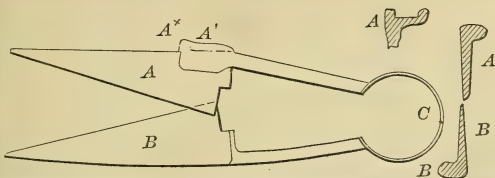
58686—S. Shuck—*Cigarette.*58689—J. A. Spear—*Horse Rake.*58688—A. W. Snow—*Lock.*58692—G. N. Stearns—*Saw Holding Vise.*58691—J. M. Stanyan—*Dough Mixer.*



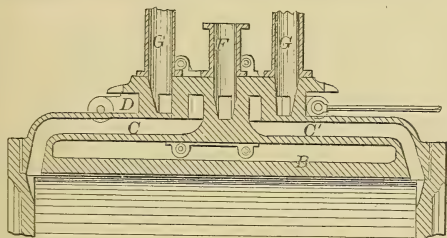
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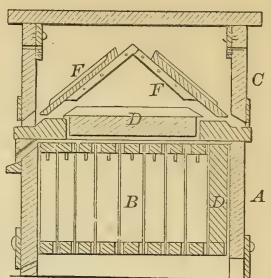
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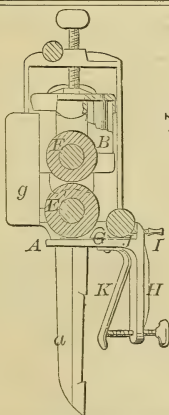
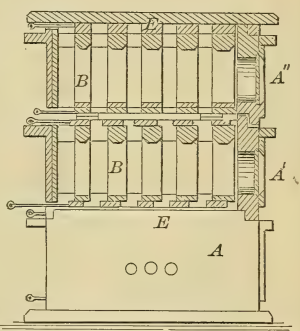
58699—J. H. Wait—Balance Slide Valve.



58697—H. A. Tozier—Beehive.

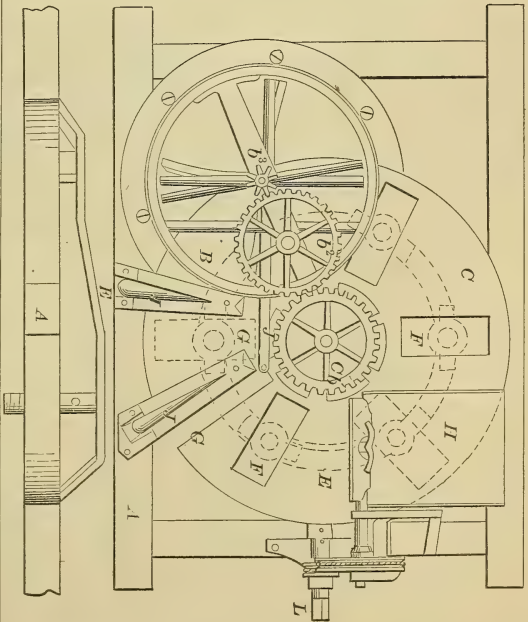
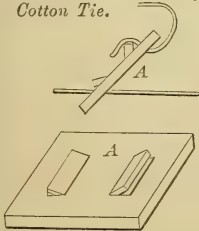


58696—S. Taylor—Beehive.



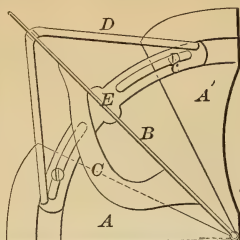
58694—J. Stimpson—Wringing Machine Clamp.

58698—C. W. Wailley—Cotton Tie.

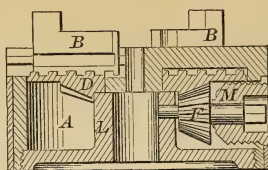


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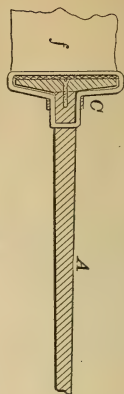
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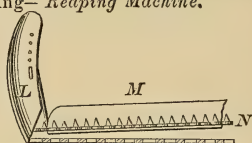
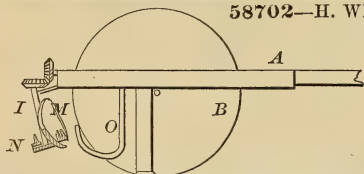
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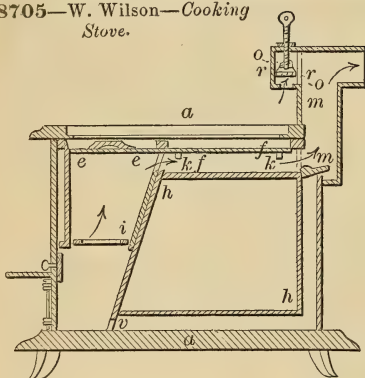
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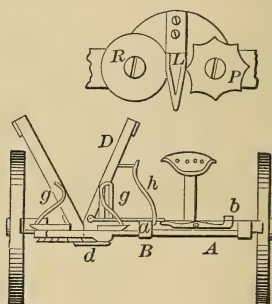
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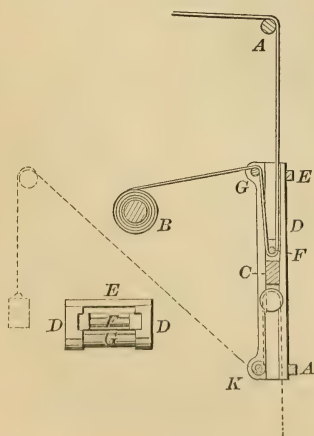
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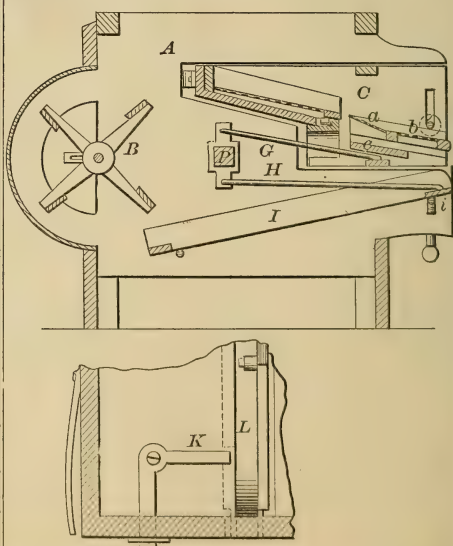
58706—J. F. Winchell—*Corn Harvester.*



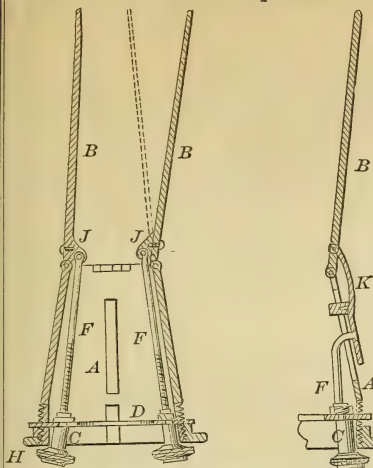
58708—M. Wolf—*Take-up for Narrow Ware Looms.*



58707—Wirts & Swift—*Grain Separator.*



58709—T. D. Worrall—*Speculum.*



58714—C. L. Campbell—*For Fitting Axle Spindles to Skeins of Wagons.*

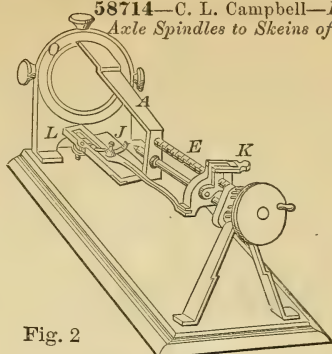
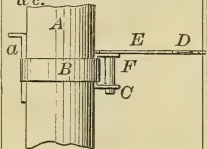
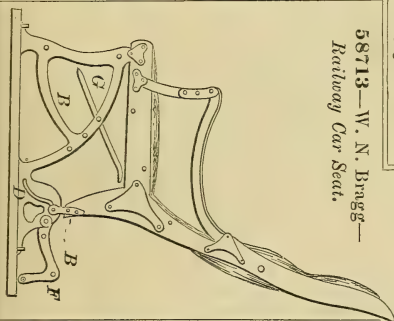


Fig. 2

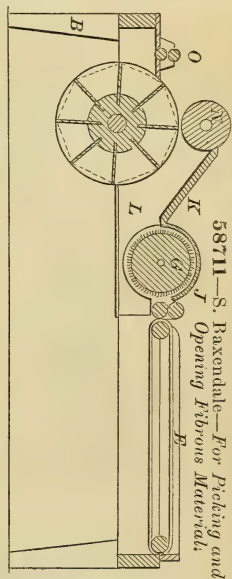
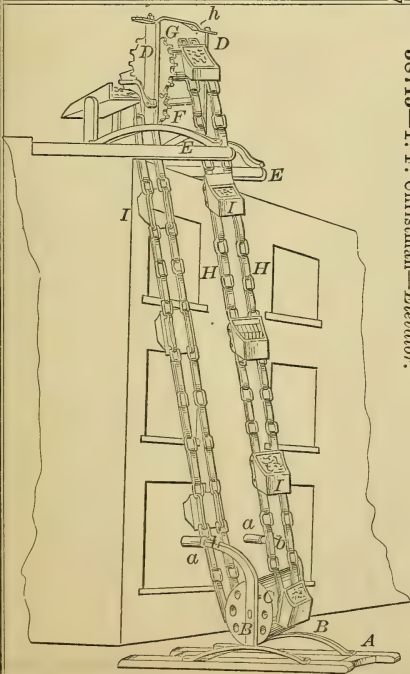
58712—S. V. Beckwith—*Shelf for Stove Pipes, &c.*



58713—W. N. Briggs—*Railway Car Seat.*

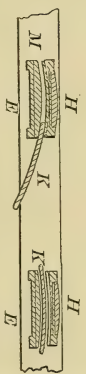


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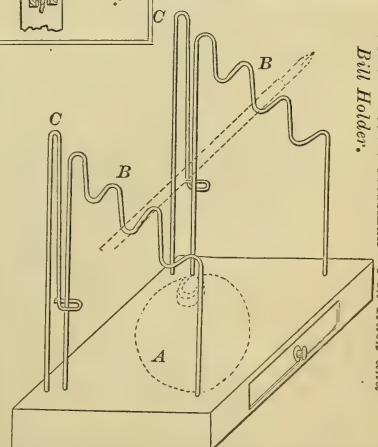


58711—S. Paxendale—*For Picking and Opening Fibrous Material.*

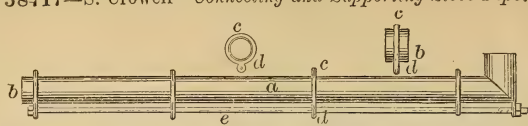
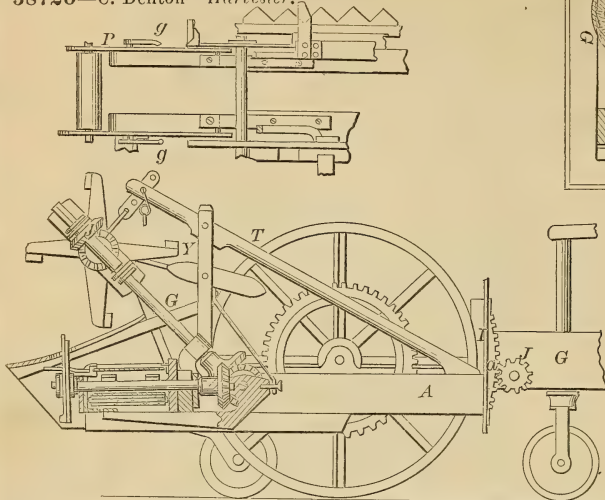
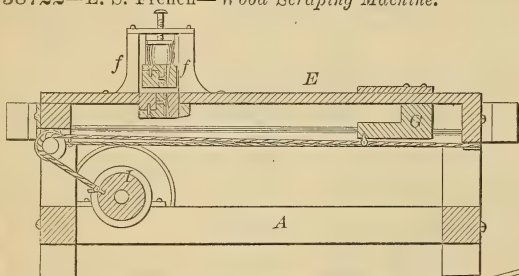
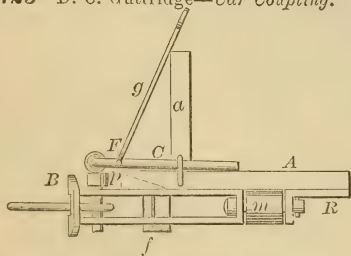
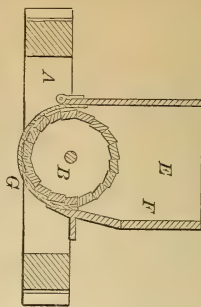
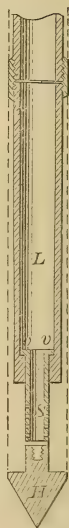
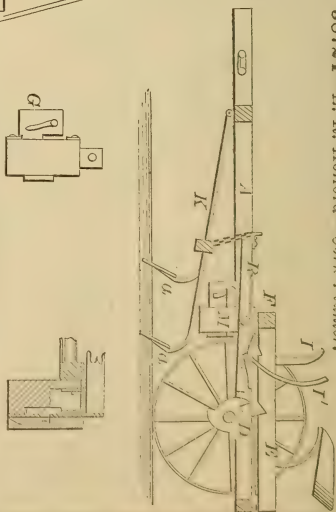
58710—J. K. Andrews—*Car Window.*



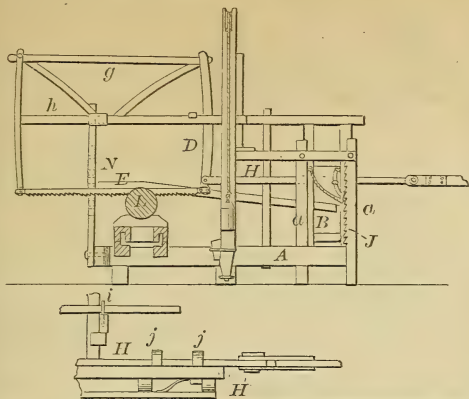
58716—C. P. Crossman—*Pen Rack and Bill Holder.*



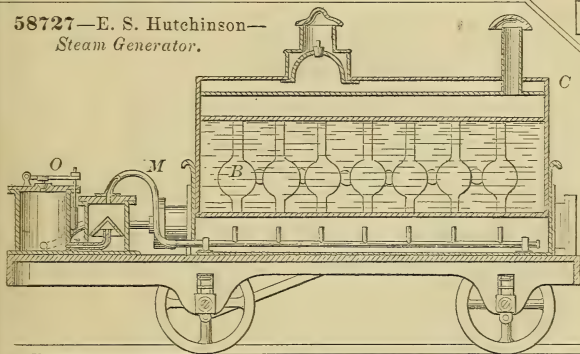


58717—S. Crowell—*Connecting and Supporting Stove Pipe.*58720—C. Denton—*Harvester.*58722—E. S. French—*Wood Scraping Machine.*58723—D. C. Guttridge—*Car Coupling.*58725—Hopson & Brooks—*Buckle.*58719—C. F. Dean—*Grinding Mill.*58721—Duck & Whitecomb—*Well Pipe and Piston.*58724—E. K. Holford—*Corn Planter.*

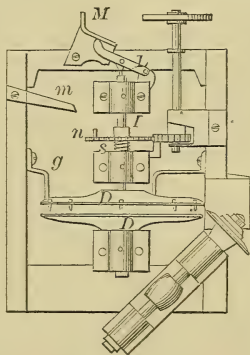
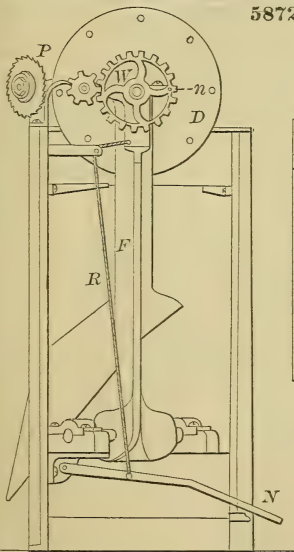
58726—J. Hoyt—Saw Machine.



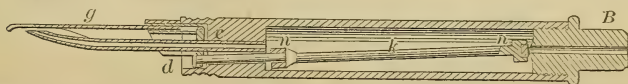
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Steam Generator.



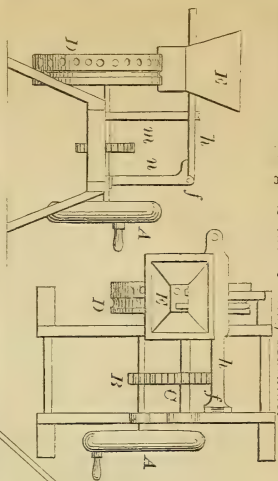
58729—P. H. Lawler—Barrel  
Machine.



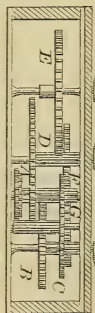
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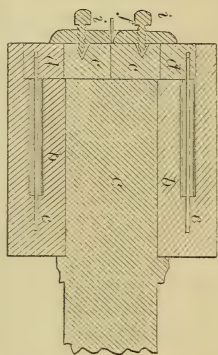
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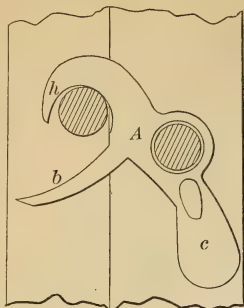
58731—W. McDonald—Gas Meter  
Register.



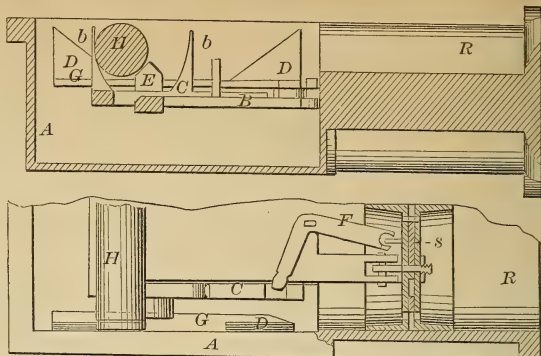
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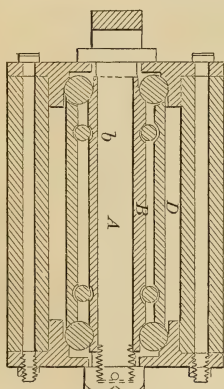
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*Ladder Hook.*



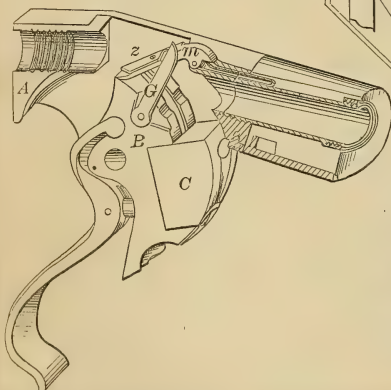
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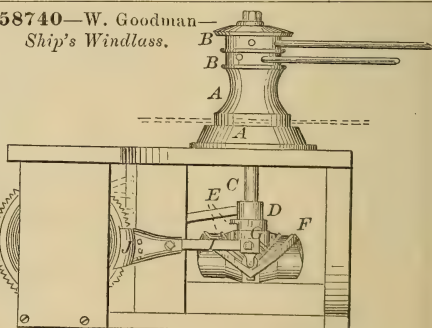
**58739—Bailly, Durand, Mesnard & Poirier—  
Anti-Friction Device for Axles.**



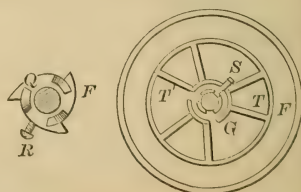
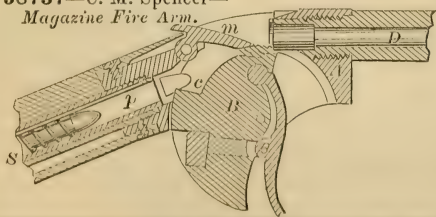
58738—C. M. Spencer—  
*Magazine Fire Arm.*



58740—W. Goodman—  
*Ship's Windlass.* B

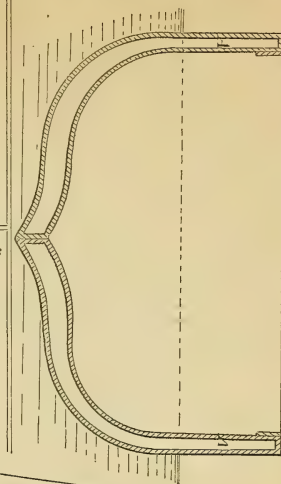
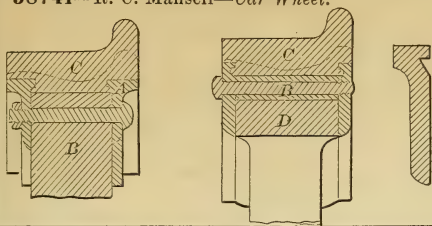


58737—C. M. Spencer—  
Magazine Fire Arm.



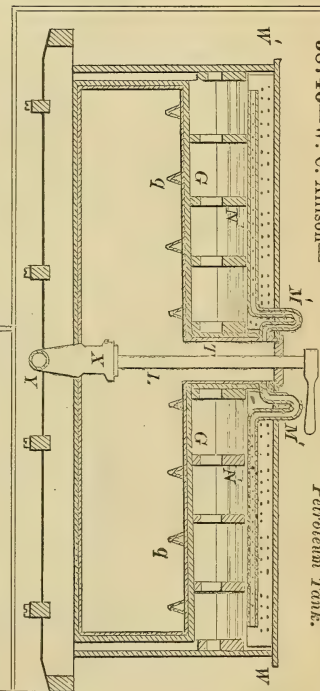
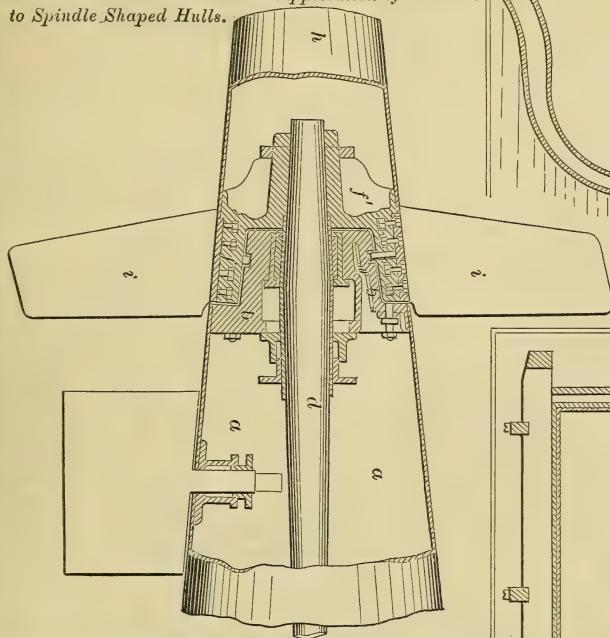


58741—R. C. Mansell—Car Wheel.



58742—J. Wearn—Ship.

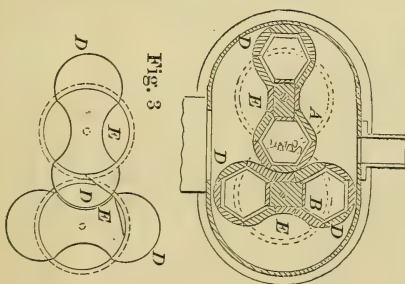
58743—W. L. & T. Winans—Application of Rudders to Spindle Shaped Hulls.



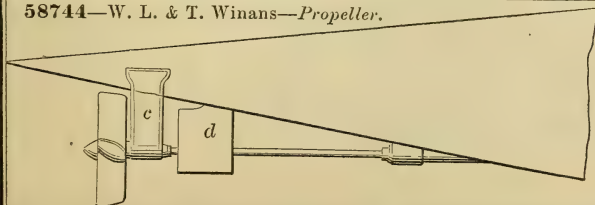
58746—W. C. Allison—

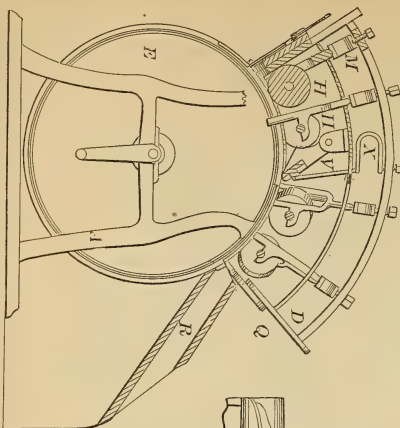
Petroleum Tank.

58745—P. H. Roots—Rotary Blower.

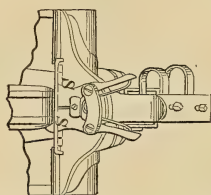


58744—W. L. & T. Winans—Propeller.

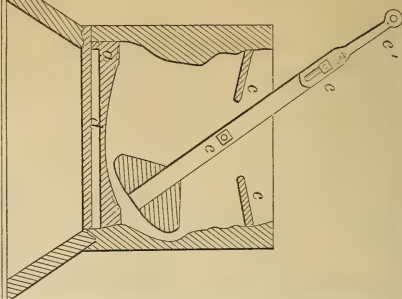




58747—G. S. Anderson—For Peeling Willow.



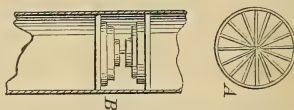
58753—A. Badlam, Sr.—Washing Machine.



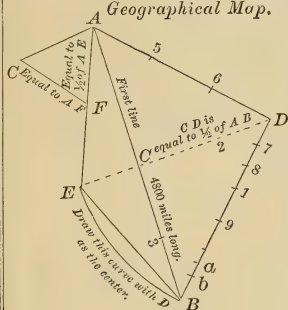
58749—T. G. Arnold—Screen for Gas Purifiers.



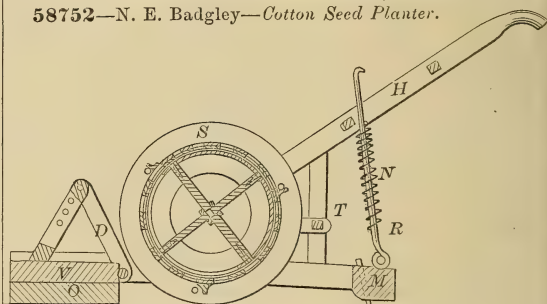
58750—V. G. Arnold—Egg Beater.



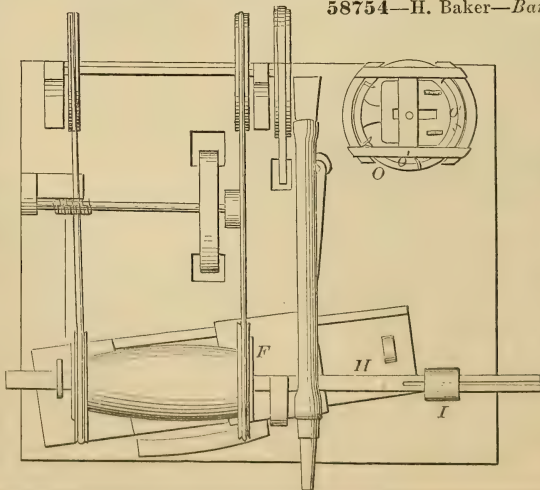
58748—E. A. &amp; A. C. Apgar—Geographical Map.



58752—N. E. Badgley—Cotton Seed Planter.



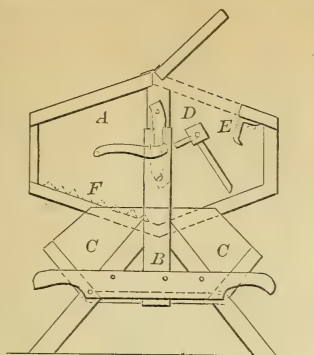
58754—H. Baker—Barrel Machinery.



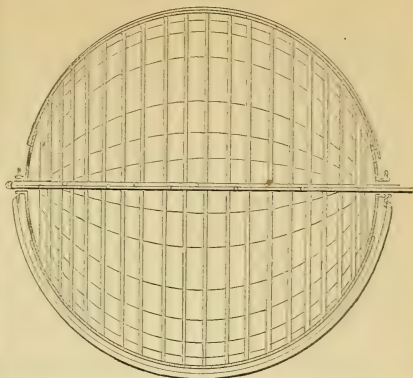
58751—F. Ashley—Carpet Stretcher and Tack Holder.



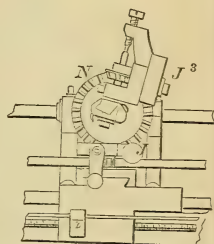
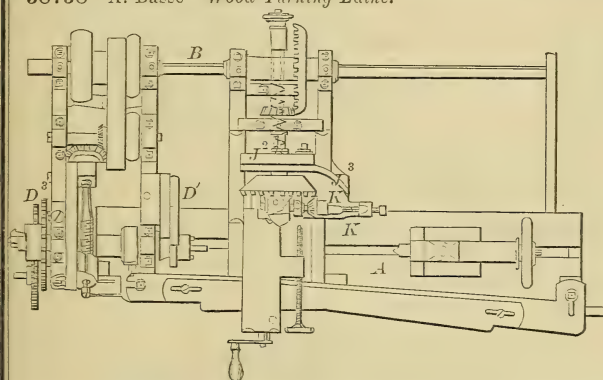
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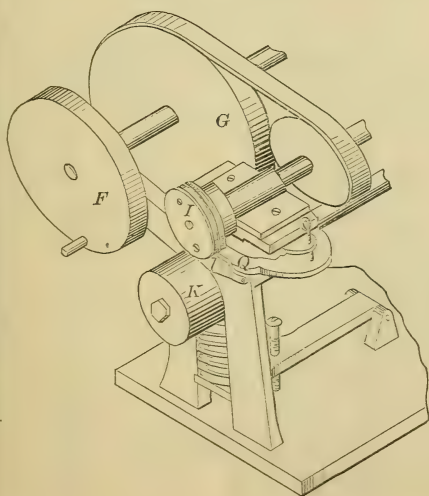
58757—E. Bascom—*Globe.*



58758—A. Basse—*Wood Turning Lathe.*



58761—J. M. Bent—*Creasing or Ornamenting Leather.*



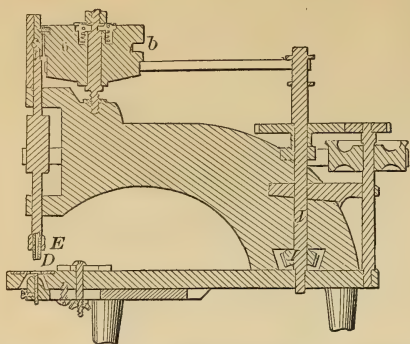
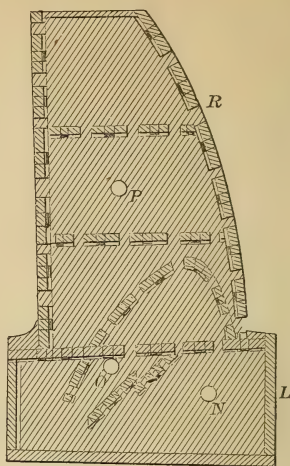
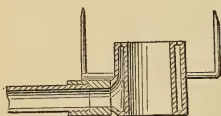
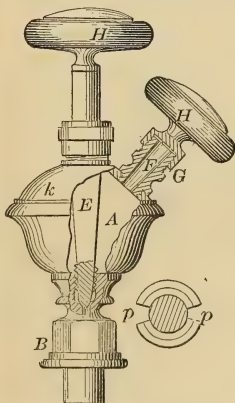
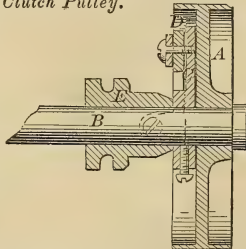
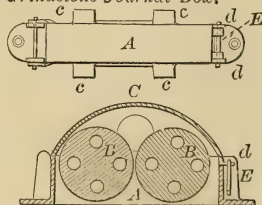
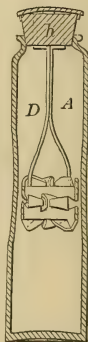
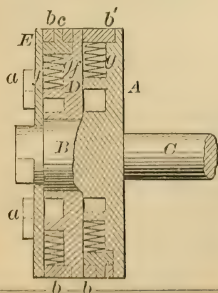
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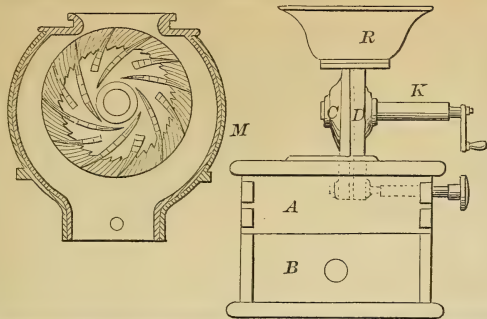
58760—G. N. Beard—*Hoop Lock.*



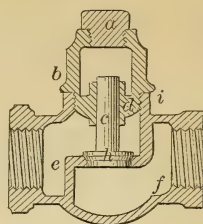


58762—J. M. Bent—*Punching Leather.*58763—J. Benz—*Piano Sound Board.*58764—Berg & Blessing—*Gas Burner.*58769—J. H. Bruen—*For Sinking and Tubing Wells.*58767—J. Broughton—*Steam Engine Lubricator.*58765—G. W. Bishop—*Friction Clutch Pulley.*58768—T. W. Brown—*Grindstone Journal Box.*58770—C. H. Butterfield—*Egg Beater.*58771—F. H. Carney—*Car Seat Indicator.*58766—J. Broughton—*Piston Packing.*

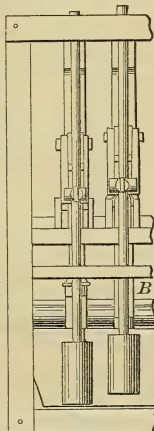
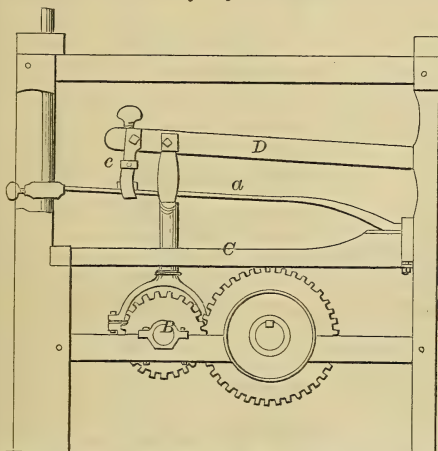
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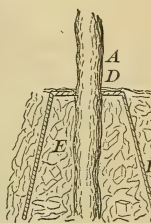
58774—W. Chesley—*Globe Valve.*



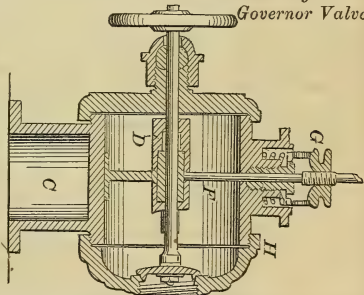
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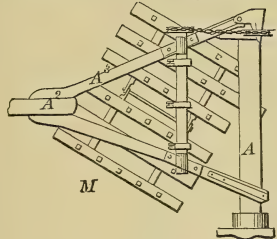
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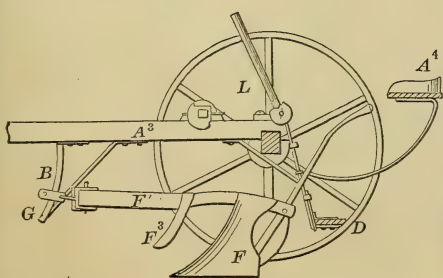
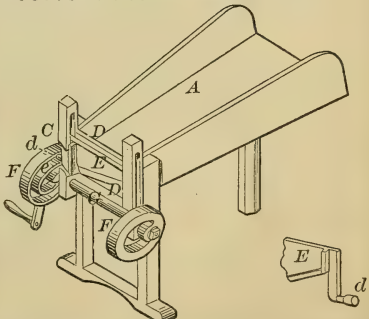
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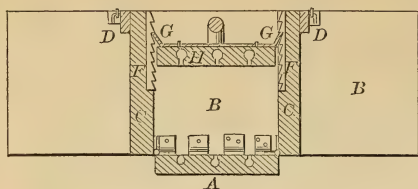
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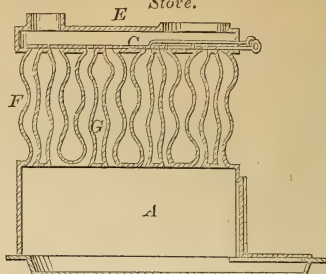
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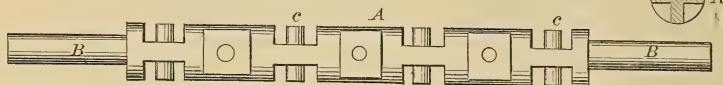
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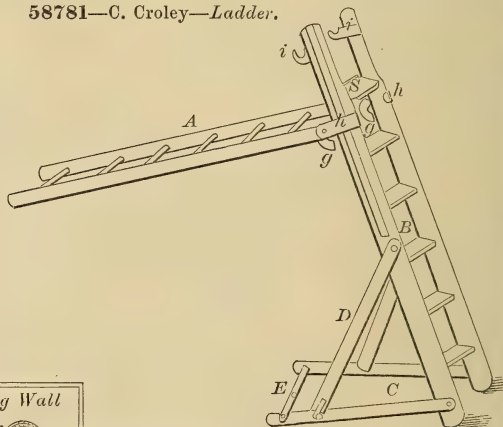
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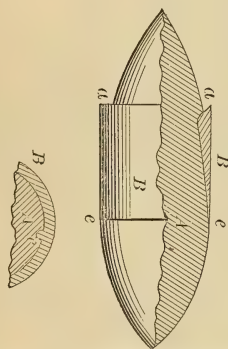
58780—J. Cram—Shaft for Rubber Rollers.



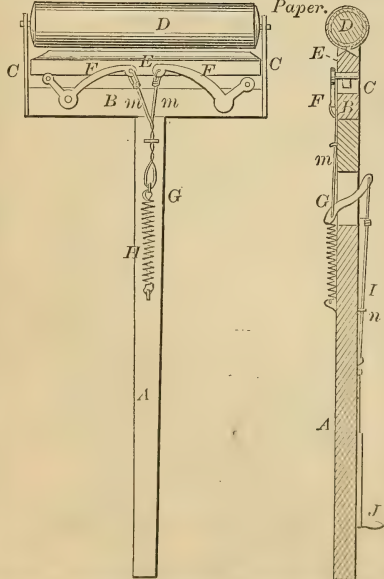
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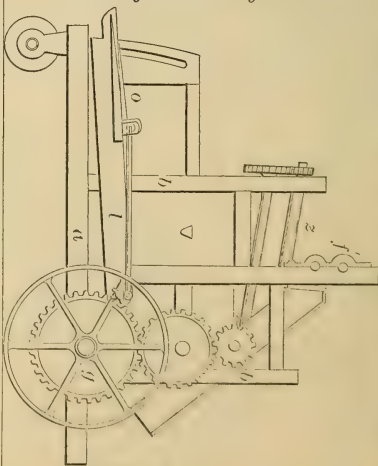
58783—J. M. Currie—Projectile for Ordnance.



58784—J. W. Davis—For Hanging Wall Paper.

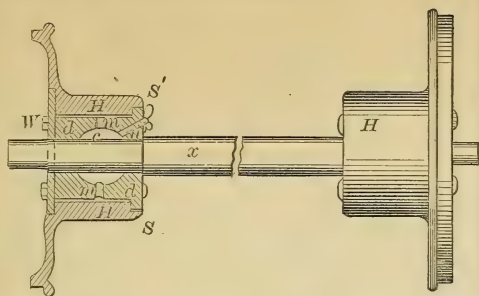


58785—D. A. Dickinson—For Harvesting, Husking and Shelling Corn.

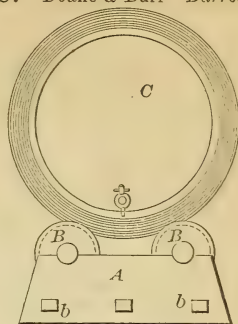




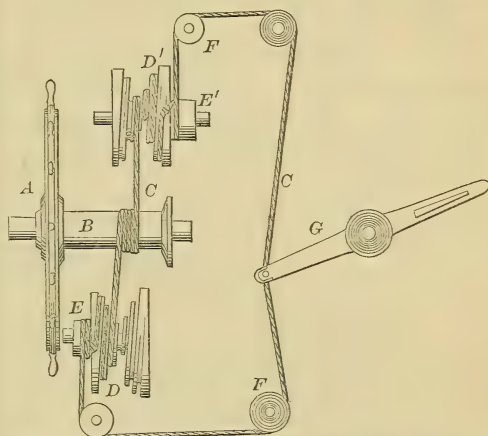
58786—W. Dickinson—*Car Wheel.*



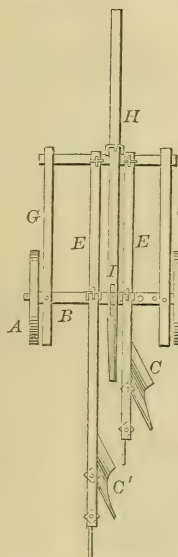
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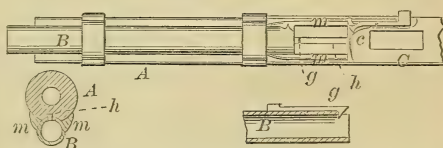
58791—Dupraz, Dumont & Dickason—*Steering Apparatus.*



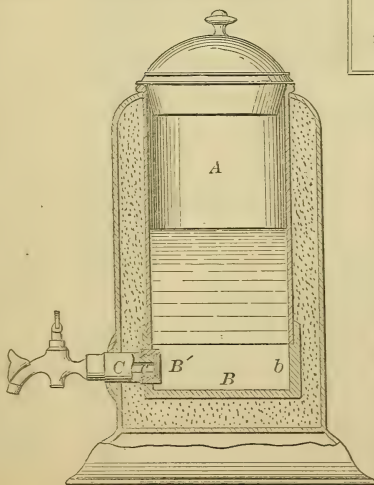
58788—Dodge & Walker—*Gray and Subsoil Plow.*



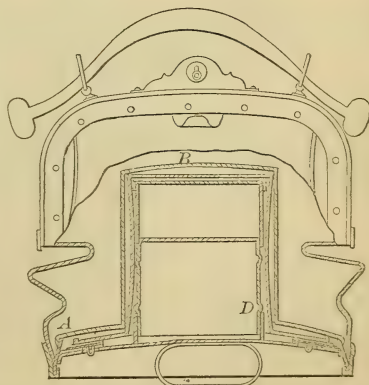
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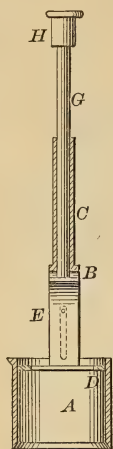
58793—J. Eckert—*Water Cooler.*



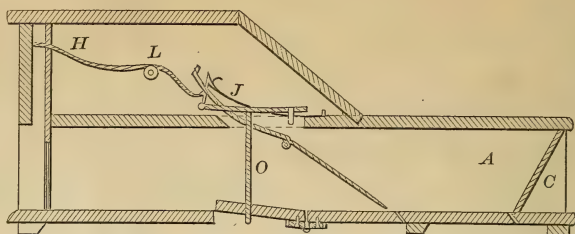
58792—Z. S. Durfee—*Hat Box and Valise.*



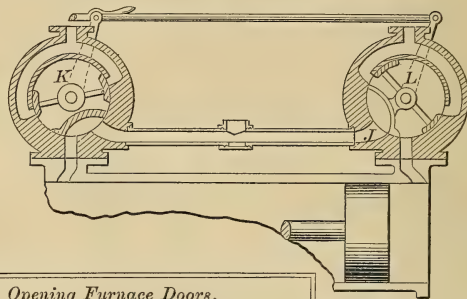
58794—W. C. S. Ellerbe—For Transplanting Plants.



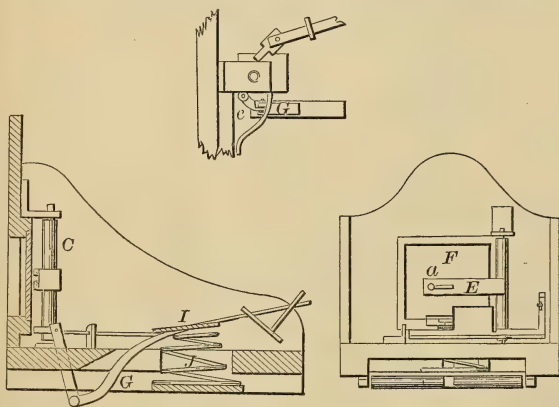
58795—S. F. Estell—Animal Trap.



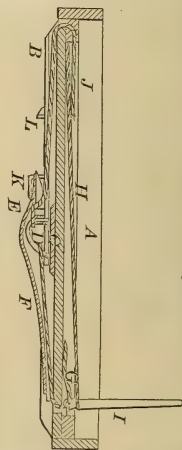
58796—R. P. Estep—Steam Engine Valve.



58799—Fessler &amp; Maxell—For Opening Furnace Doors.



58797—H. C. Fairchild—Wagon Brake.



58800—G. A. Fitch—For Priming Cartridges.

Fig. 2

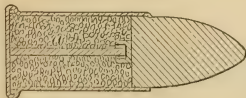


Fig. 1

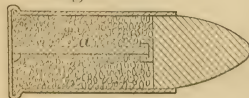


Fig. 3

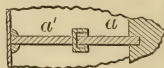
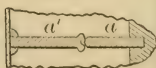
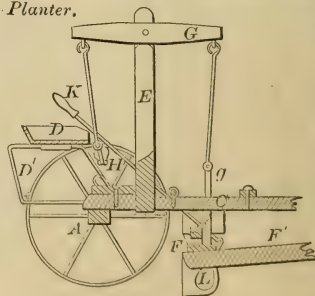


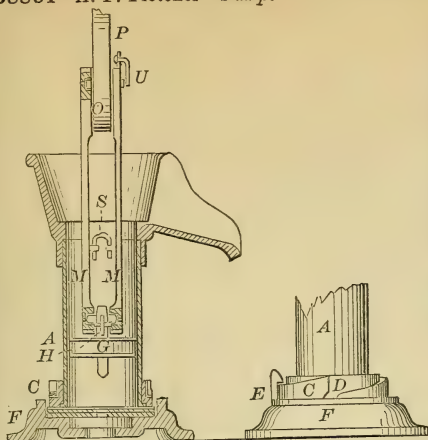
Fig. 4



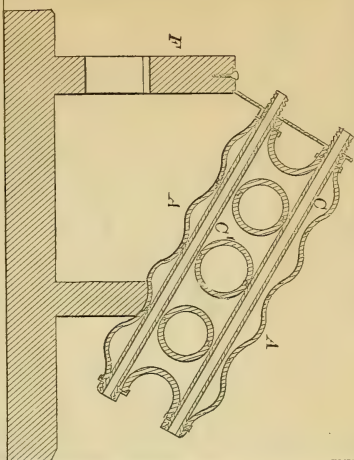
58798—J. M. Fate—Corn and Cane Planter.



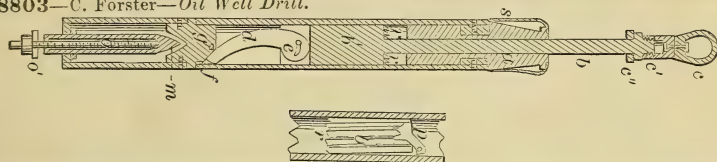
58801—A. F. Fletcher—*Pump.*



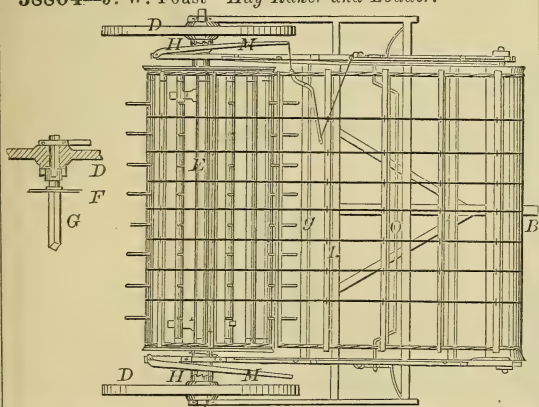
58802—M. Foreman—*Steam Generator.*



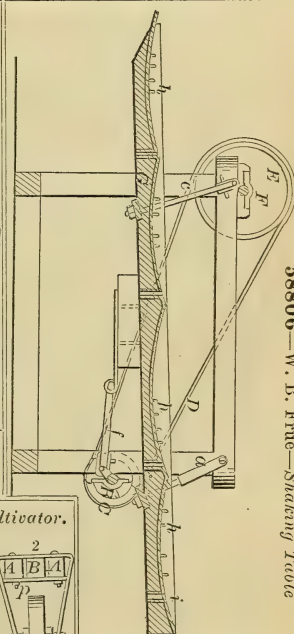
58803—C. Forster—*Oil Well Drill.*



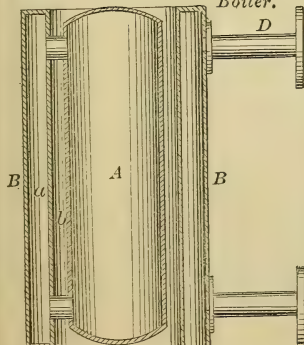
58804—J. W. Foust—*Hay Raker and Loader.*



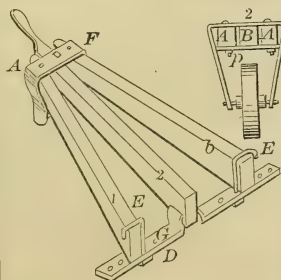
58806—W. B. Frue—*Shaking Table.*



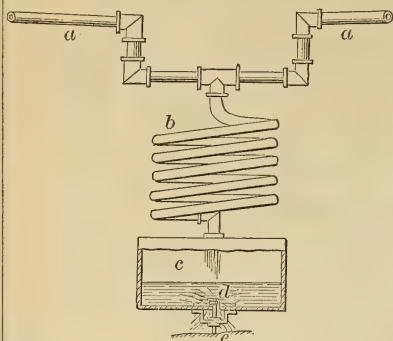
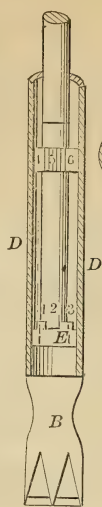
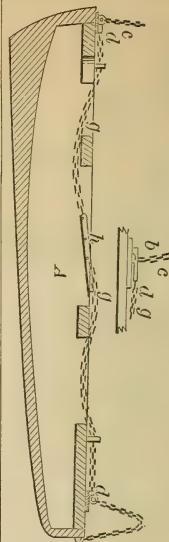
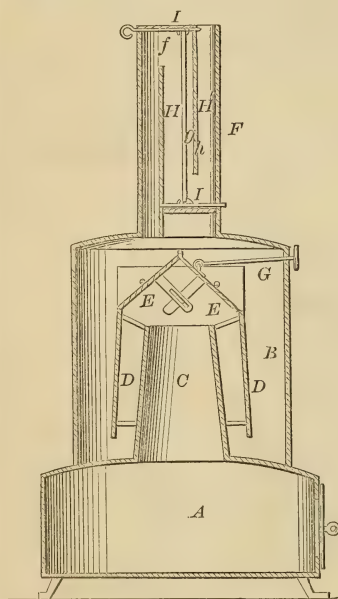
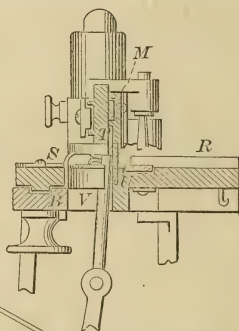
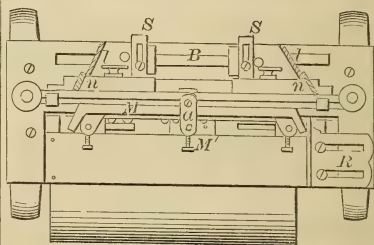
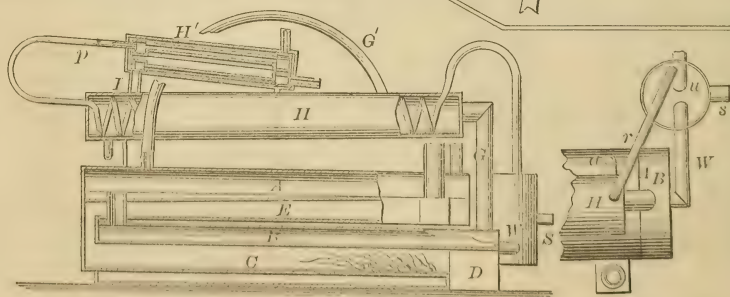
58807—C. Geisse—*Gas Heater Boiler.*



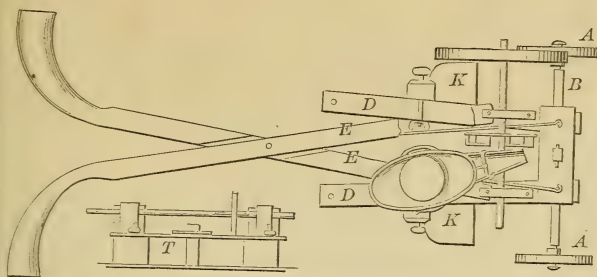
58805—J. Fridy—*Cultivator.*



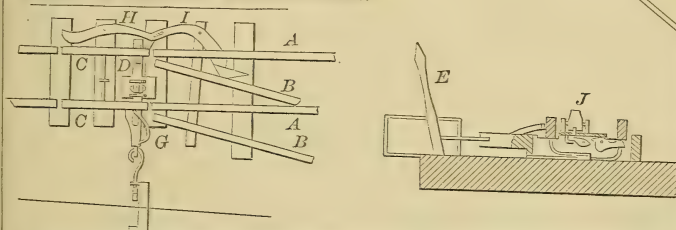


58808—J. E. Gillespie—*Steam Trap.*58809—J. & A. W. Gilmore—*For Sinking Well Pipes.*58810—H. Goulding—*For Lowering Boats.*58811—G. D. Greenleaf—*Stove and Drum.*58812—Griswold & Sigwalt—*For Making Paper Collars.*58813—Hall & Ellis—*Distilling Apparatus.*

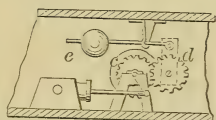
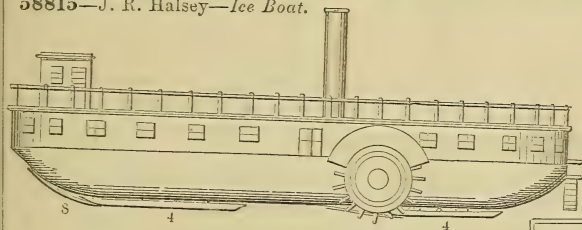
58814—J. A. Hall—Garden Cultivator.



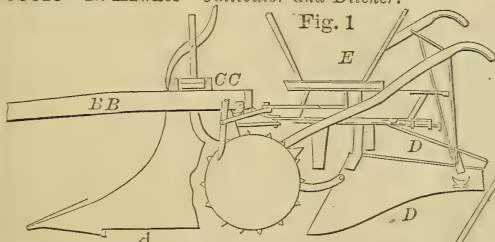
58818—A. Hartman—Railroad Switch.



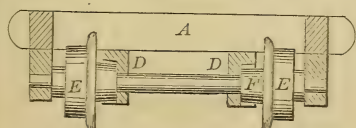
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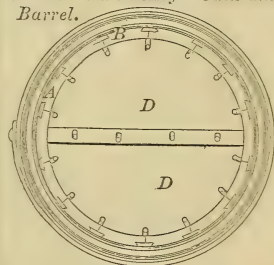
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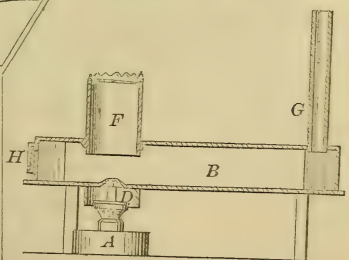
58816—D. J. Happersett—Car Truck.



58821—M. Hickey—Cask and Barrel.



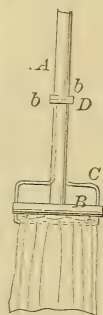
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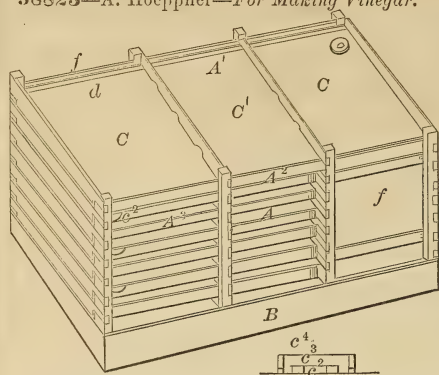
58820—J. S. Hazard—For Removing Wires from Bottles.



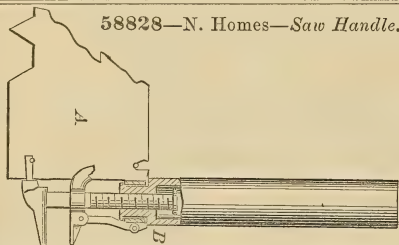
58817—Hardison & Hooper—Mop Head



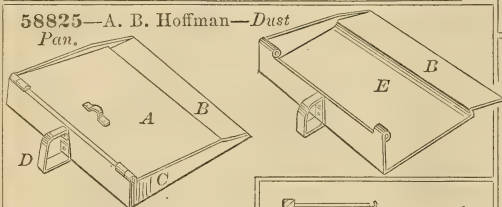
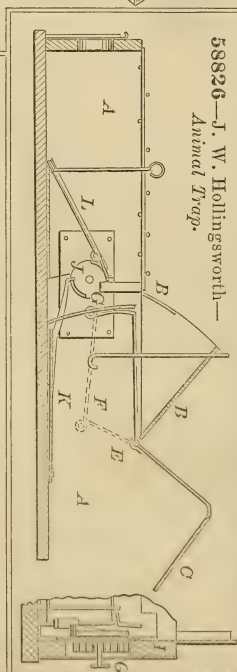
58823—A. Hoepfner—For Making Vinegar.



58828—N. Homes—Saw Handle.



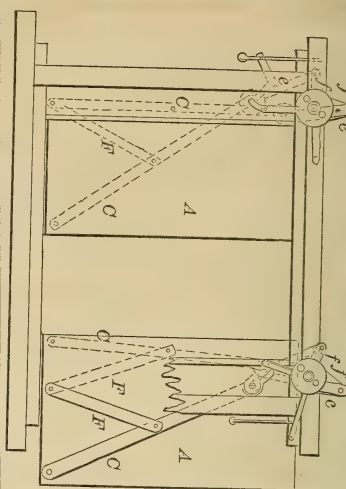
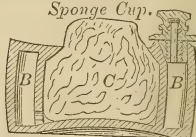
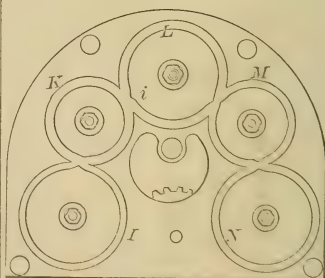
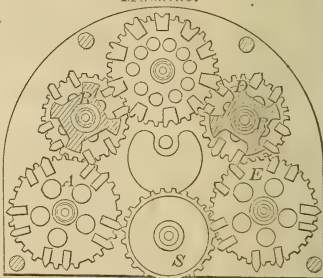
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58826—J. W. Hollingsworth—  
Animal Trap.

58831—H. Hungerford—Carpet Stretcher.

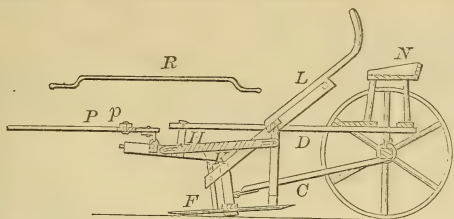


58827—G. W. Holly—For Hanging Doors.

58829—Howard & Manchester—  
Sponge Cup.58830—L. Hull—Braiding  
Machine.



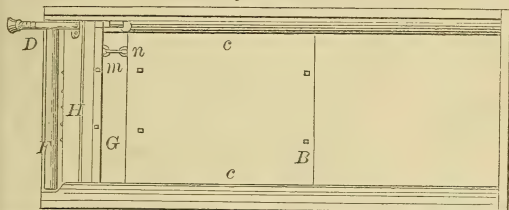
58832—C. S. Huntington—*Horse Rake.*



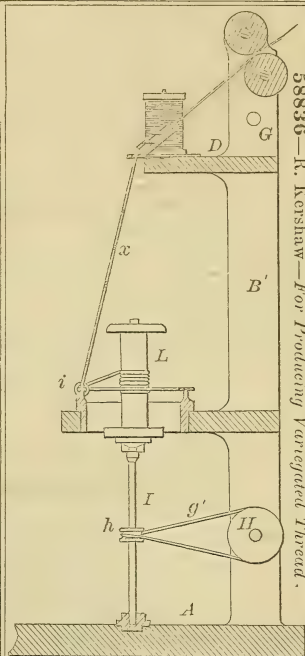
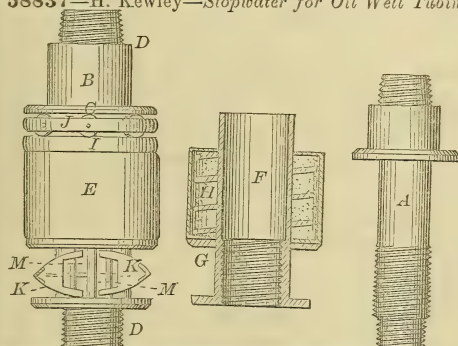
58833—R. N. Isaacs—*Fishing Rod.*



58835—Jincks & Altmeyer—*Hearse.*

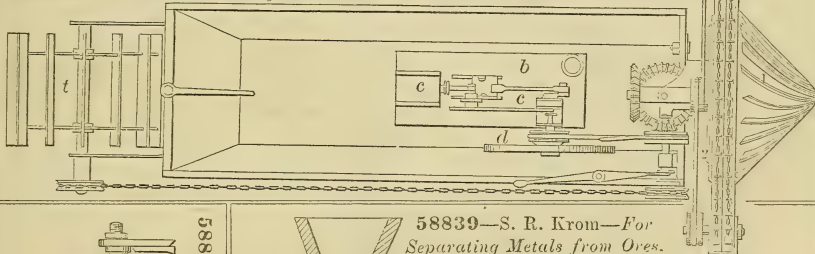


58837—H. Kewley—*Stopwater for Oil Well Tubing.*

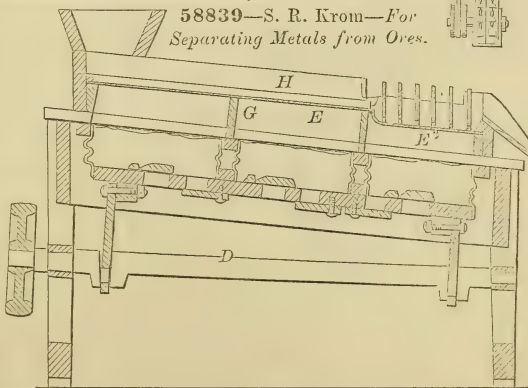


58836—R. Kershaw—*For Producing Variegated Thread.*

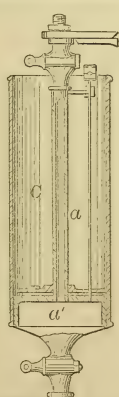
58834—G. Jensen—*Ditching Machine.*



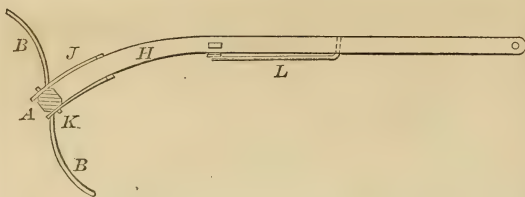
58839—S. R. Krom—*For Separating Metals from Ores.*



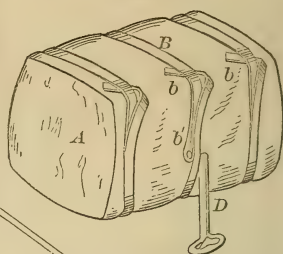
58838—H. Krant—*Adjustable Measure.*



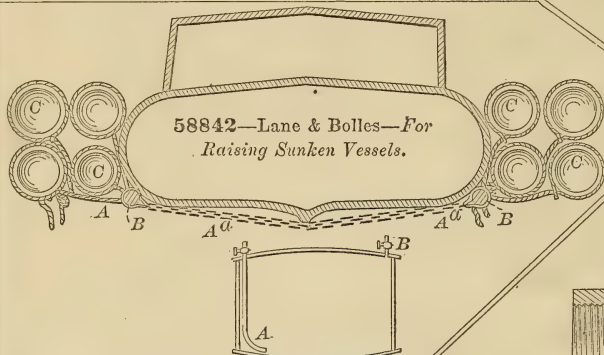
58841—R. G. Lamson—Hay Rake.



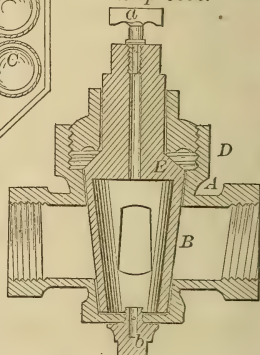
58844—Z. W. Lee—Cotton Bale Tie.



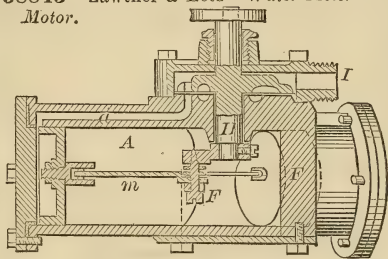
58842—Lane &amp; Bolles—For Raising Sunken Vessels.



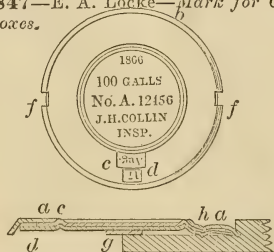
58845—B. E. Lehman—Stop Cock.



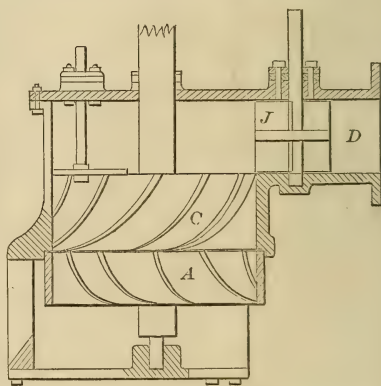
58843—Lawther &amp; Letz—Water Meter and Motor.



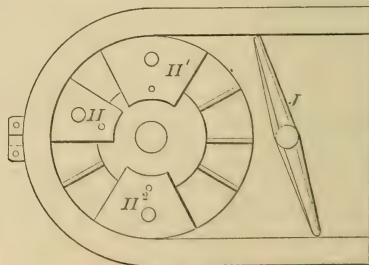
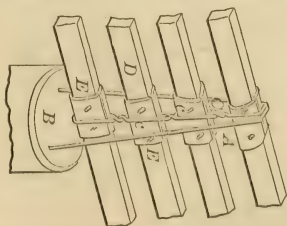
58847—E. A. Locke—Mark for Casks and Boxes.



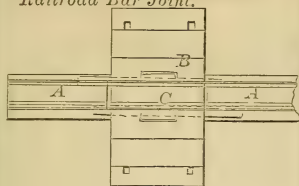
58846—A. Lind—Water Wheel.



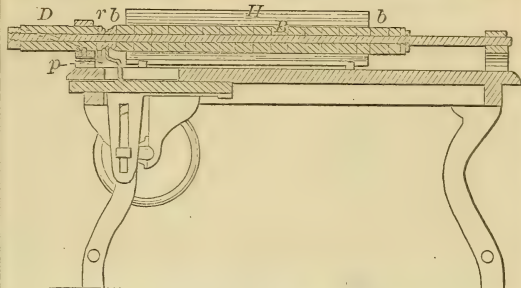
58848—L. E. Lockling—Fence.



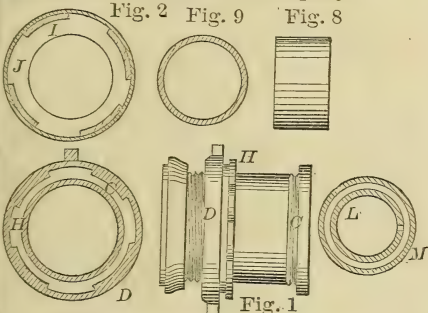
58849—S. M. Longley—  
Railroad Bar Joint.



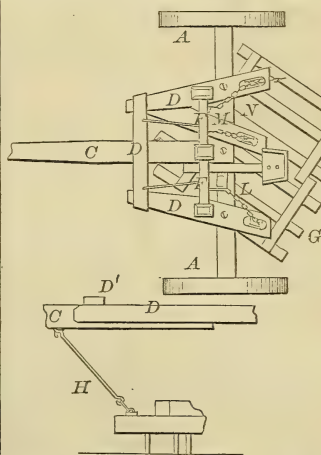
58852—J. W. Maloy—Marble Polishing Machine.



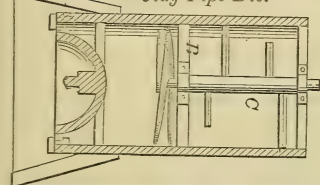
58850—S. H. Loring—Hose Coupling.  
Fig. 2 Fig. 9 Fig. 8



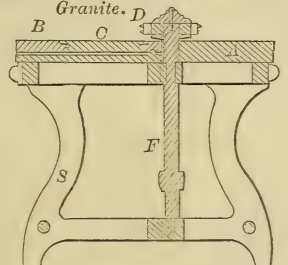
58854—Marinus & J. & W. Whait—Carriage  
Harrow.



58851—G. D. & H. A. Goodrich—  
Clay Pipe Die.



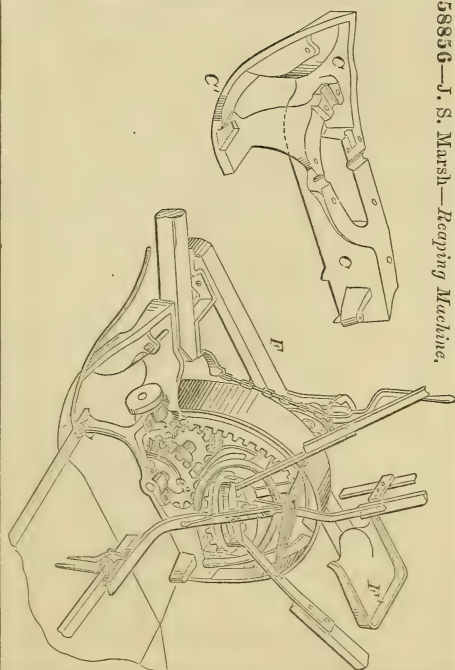
58853—J. W. Maloy—For Cutting  
Granite. D



58855—J. S. Marsh—Plow.

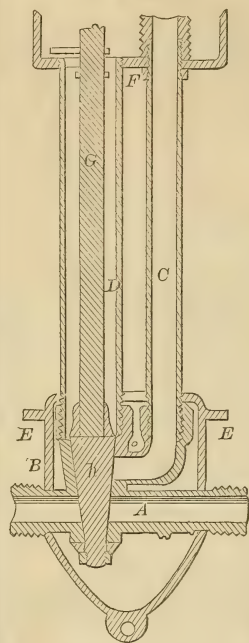


58856—J. S. Marsh—Reaping Machine.

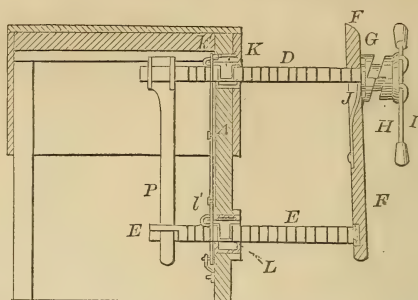




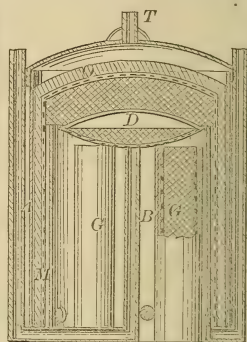
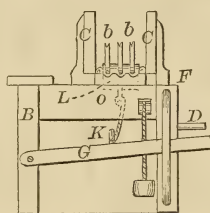
58857—J. McClelland—  
*Street Washer.*



58858—R. McConnell—*Carpenters' Bench.*

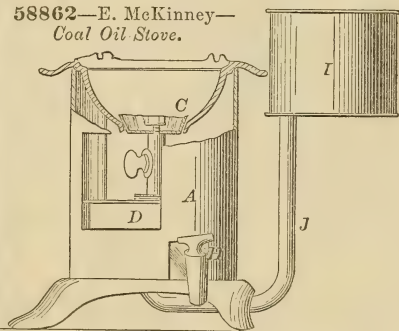


58860—O. C. McCune—  
*Wool Press.*

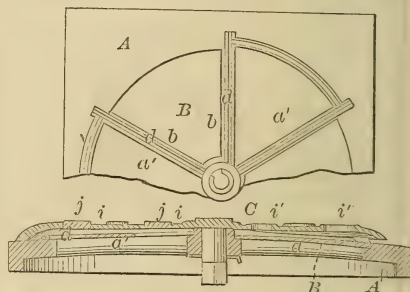


58861—J. McGeary—*For Carburetted Air.*

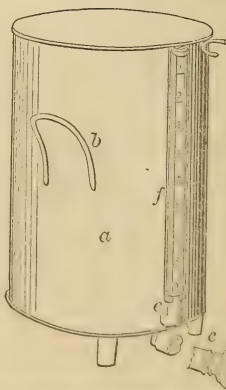
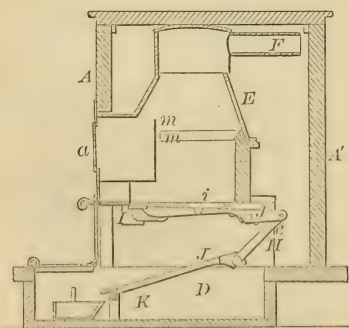
58862—E. McKinney—  
*Coal Oil Stove.*



58859—M. J. McCormick—*Vault Light.*

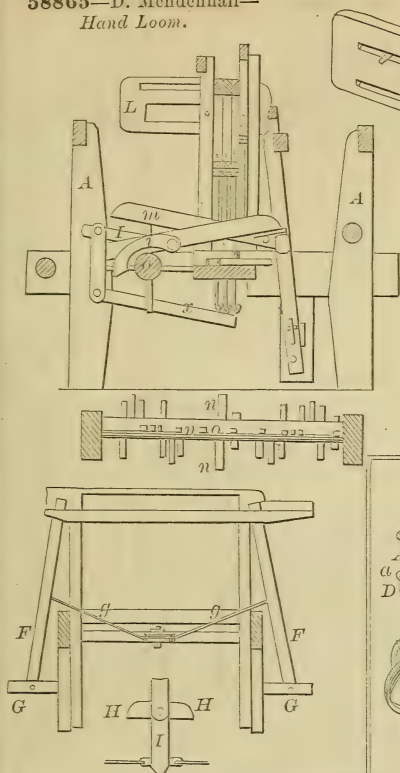


58863—J. H. Mearns—*Furnace.*

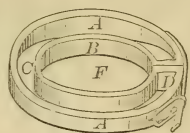


58864—W. R. Mearns—*For Supplying Liquor to Centrifugal Machines.*

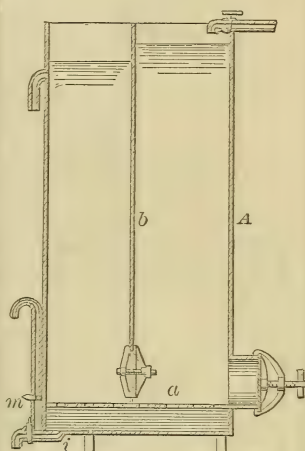
58865—D. Mendenhall—  
Hand Loom.



58866—D. Mendenhall—  
Tree Protector.



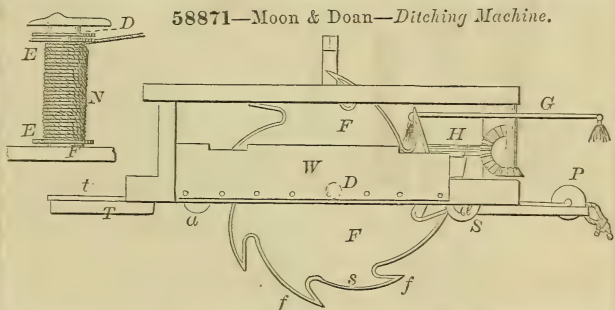
58868—C. F. Mietzsch—Filter.



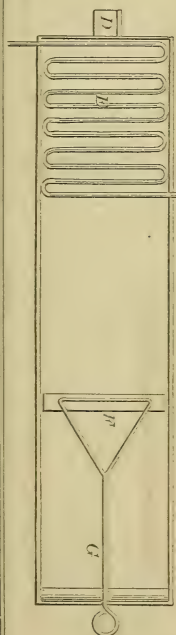
58867—S. F. Merritt—Eye Glass  
Suspender.



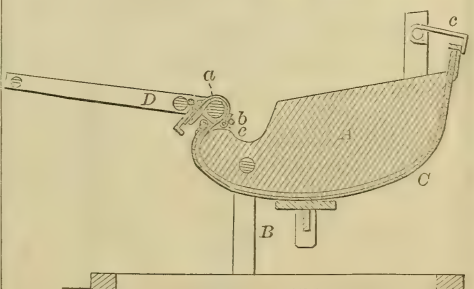
58871—Moon & Doan—Ditching Machine.



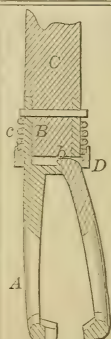
58869—D. T. Miller—Sorghum Evaporator.

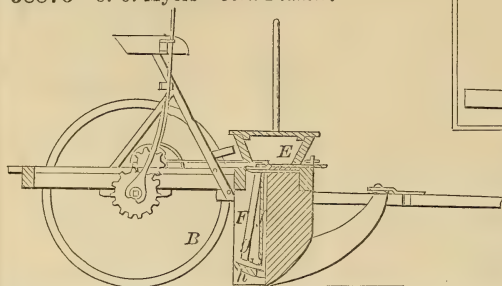
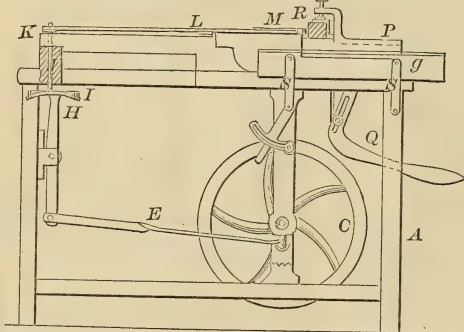
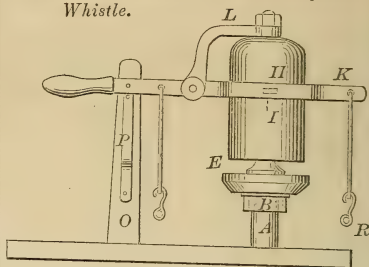
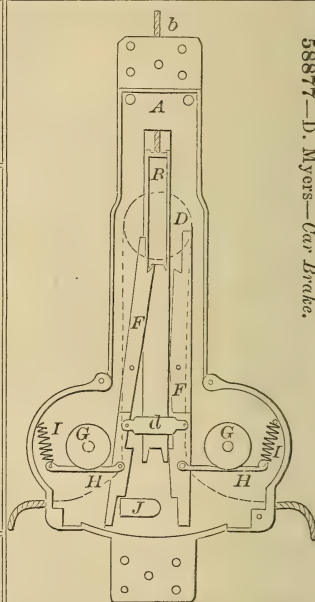
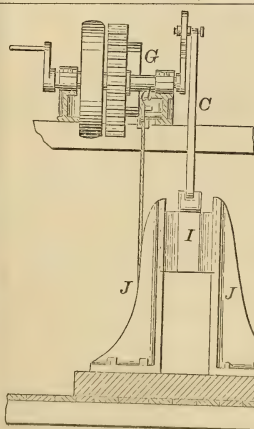
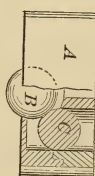
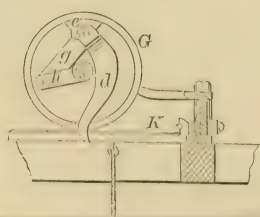
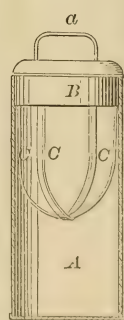
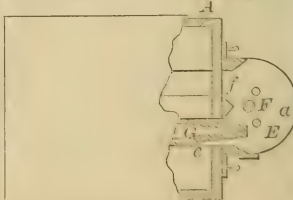
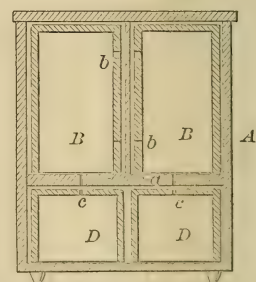


58873—C. Moyer, Jr.—Wood Bending Machine.



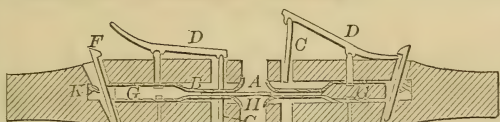
58872—W. Morehouse—Hoop Holder.



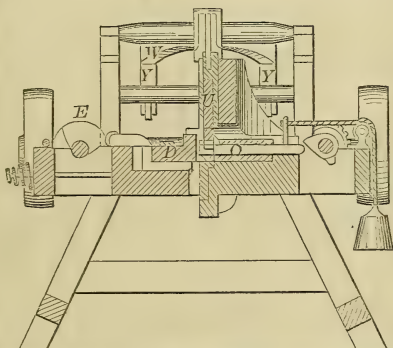
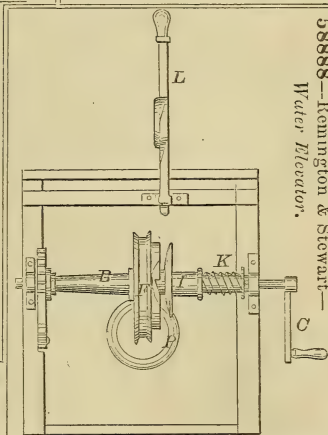
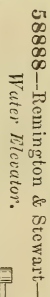
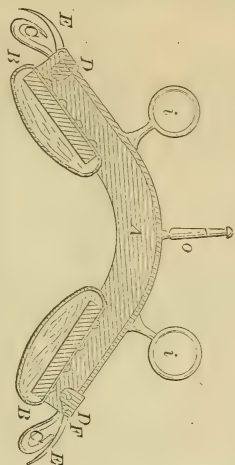
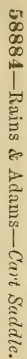
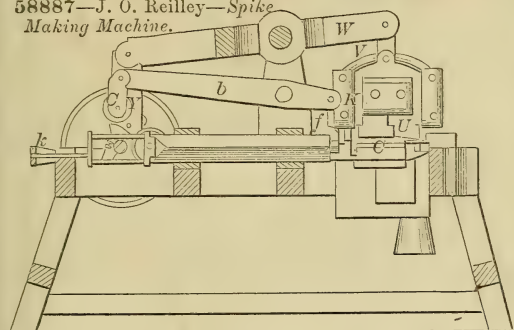
58874—J. Murphy—*Clothes Wringer Roller.*58876—C. C. Myers—*Corn Planter.*58875—J. Murray—*Steam Engine Whistle.*58878—W. Nangel—*Mortising Machine.*58877—D. Myers—*Car Brake.*58880—J. P. Noyes—*Drop Press.*58879—H. Naylor—*Furniture Custer.*58882—C. Pinder—*Log Beetle.*58881—W. H. Pierson—*Beehive.*



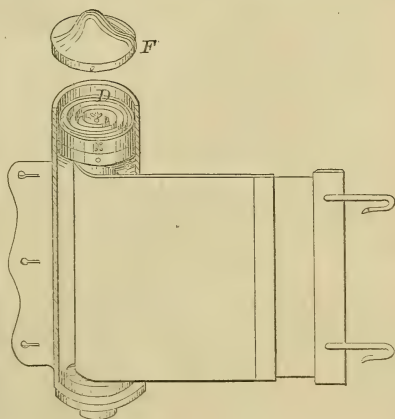
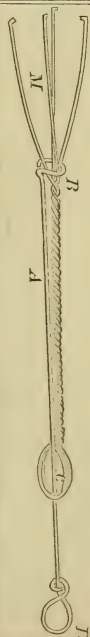
58883—T. D. Powers—*Car Coupling.*



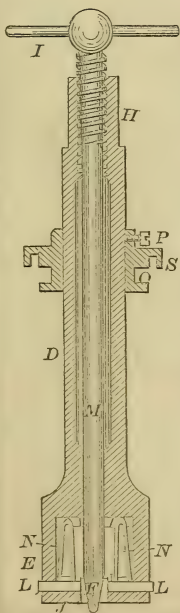
58887—J. O. Reilley—*Spike Making Machine.*

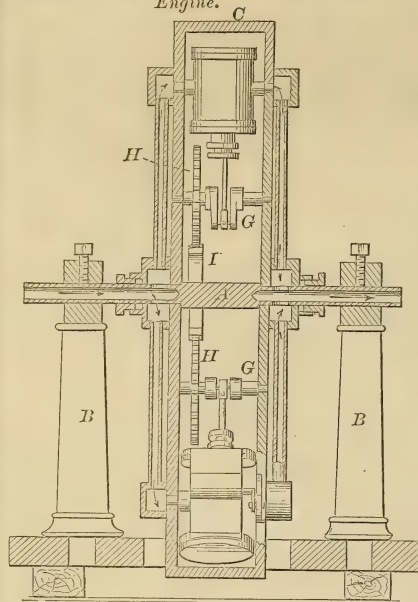
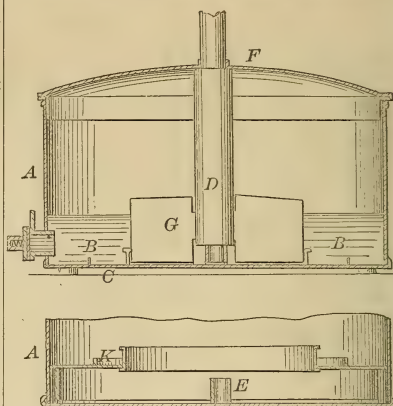
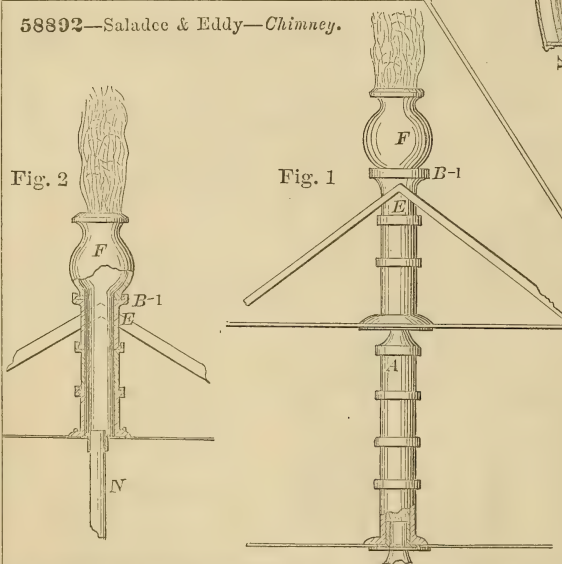
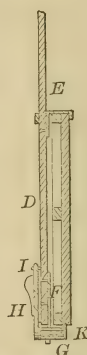
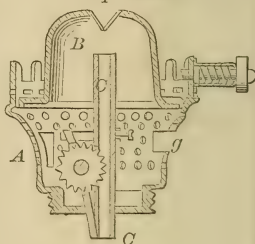
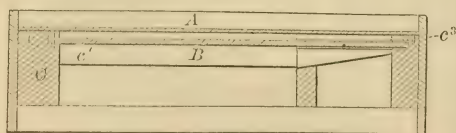
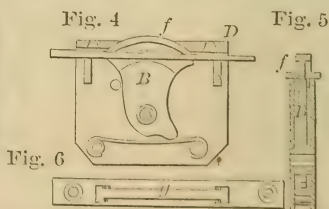


58885—G. W. Raitt—*Carriage Dress Guard.*

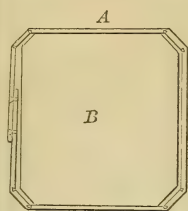
58889—C. Rosenberg—*Coile Extractor*.

58886—Ramsey & Miller—*Tool for Cutting Boiler Tubes.*



58891—C. F. Russet—*Revolving Cylinder Engine.*58895—J. J. Sawyer—*Dish Washer.*58892—Saladce & Eddy—*Chimney.*58894—L. Sauter—*Breastpin.*58897—A. R. Scott—*Wagon Bow Fastening.*58893—J. F. Sanford—*Lamp Burner.*58896—P. Schuler—*Piano Forte.*58898—W. Sellers—*Lock.*

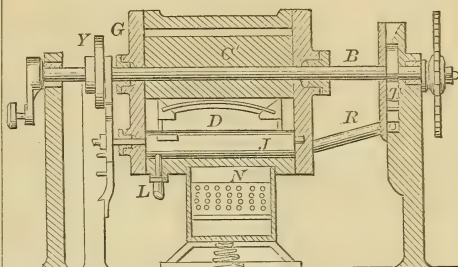
58899—J. T. Severns—*Fruit Box.*



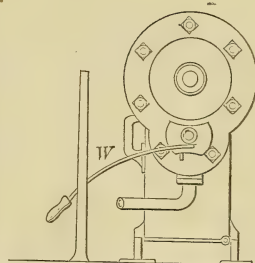
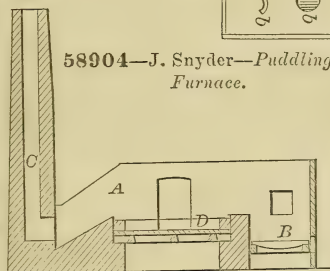
58907—J. F. Spence—*Slide for the Lyes.*



58900—S. Sherman—*Rotary Engine.*

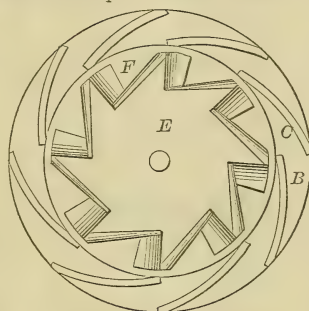


58904—J. Snyder—*Puddling Furnace.*

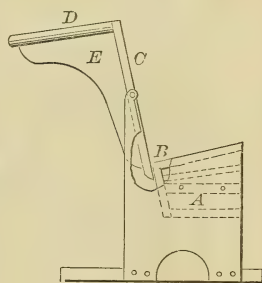


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58906—F. Speck—*Water Wheel.*



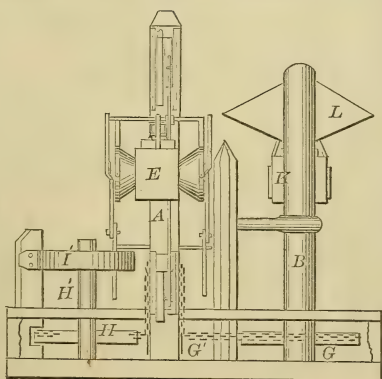
58908—D. I. Stag—*Seat and Desk.*



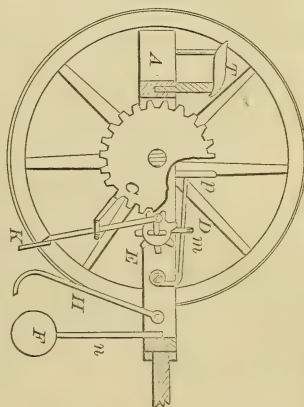
58903—C. T. Smith—*Spinning Machine Robbin.*



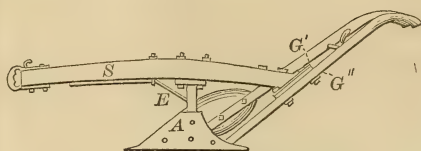
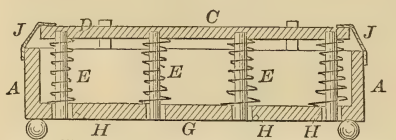
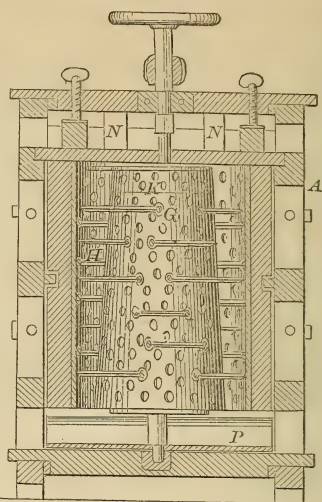
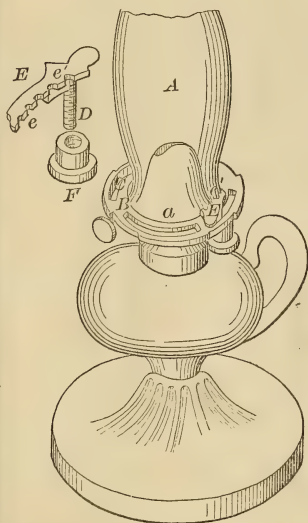
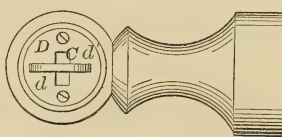
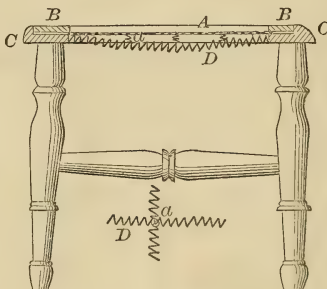
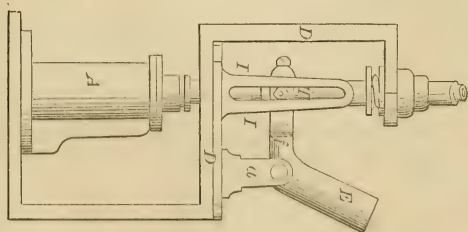
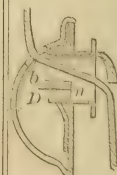
58910—T. Stead—*Railroad Signal.*



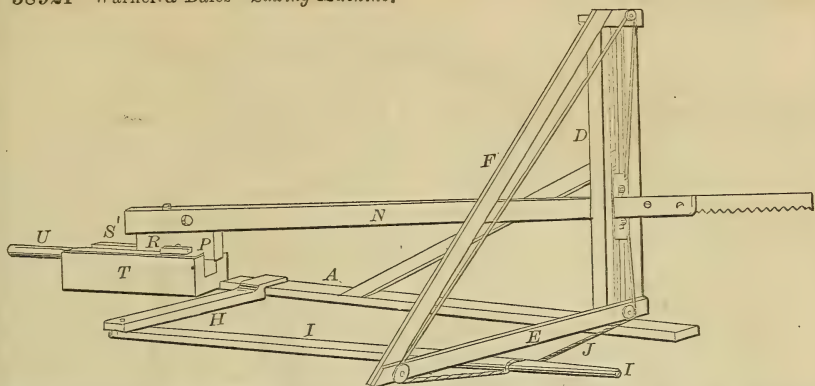
58909—W. F. Starnes—*For Cutting Stalks in the Field.*



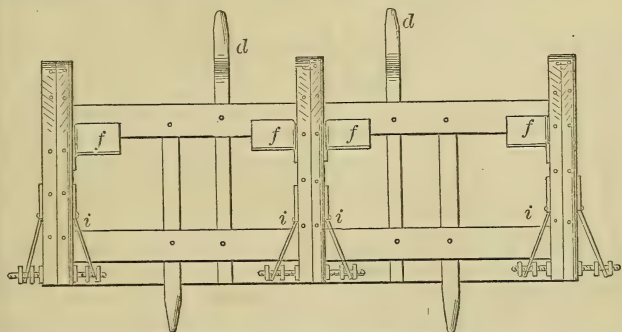
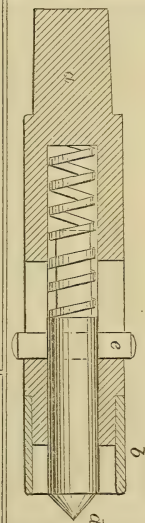


58911—C. St. John—*Plow.*58914—S. H. Tift—*Spring Bedstead.*58912—S. Stukey—*For Grinding Cob and Corn.*58915—F. J. Tinker—*Lamp Chimney Attachment.*58916—J. Tinkey—*Door Guard.*58917—J. Ungerer—*Chair.*58913—G. Tagliabue—*Hydrometer.*58918—I. Van Olinda—*Communicating Reciprocating Motion to Pumps, &c.*58920—H. N. Waller—*Skirt Elevator.*

58921—Warner. & Bales—*Sawing Machine.*



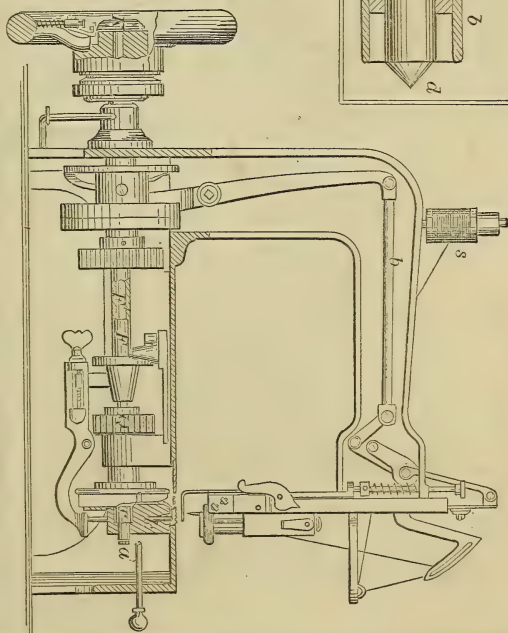
58923—W. H. Warwick—*For Furrowing Corn Ground.*

58924—T. L. Webster—*Tube Sheet Cutter.*

58922—R. Weir—*Toy Walking Figure.*



58925—A. Warth—*Sewing Machine.*



58925—Continued.

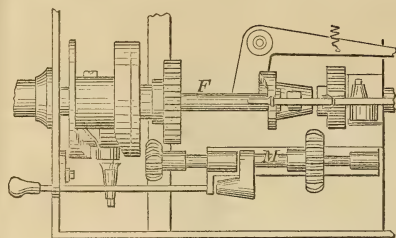


Fig. 20

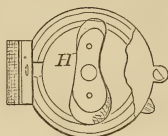
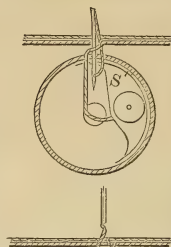
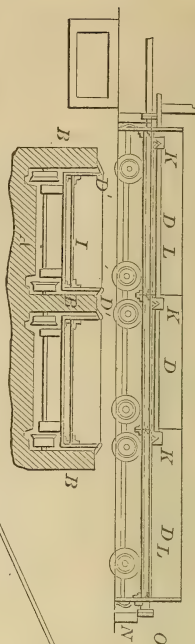
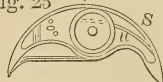
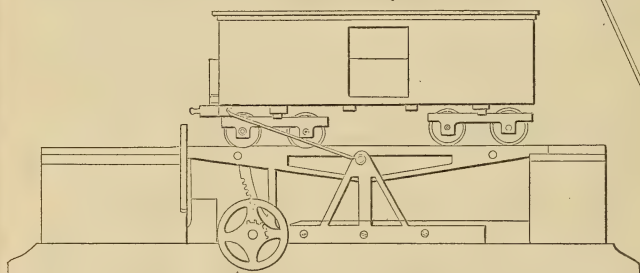


Fig. 25

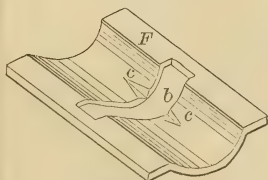


58926—G. Weissenborn—For Drying Peat.

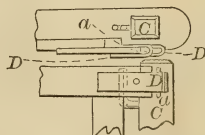
58928—D. J. Whittemore—For Unloading Grain Cars.



58927—I. P. Wendell—Railroad Car Box.



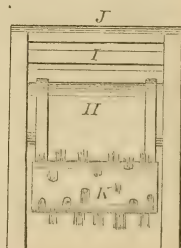
58930—L. E. Woodard—Gate Hinge.



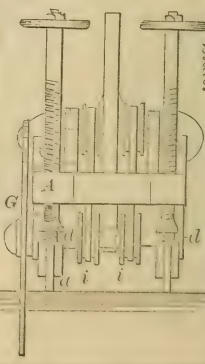
58929—G. M. Wood—Ball Keeper.



58931—M. A. Woodside—For Washing Ores.

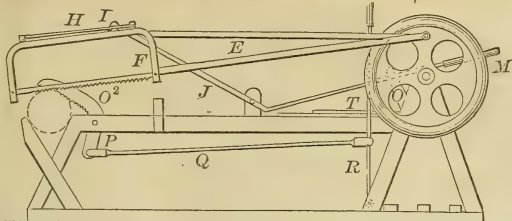


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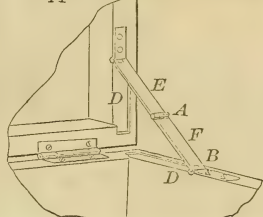




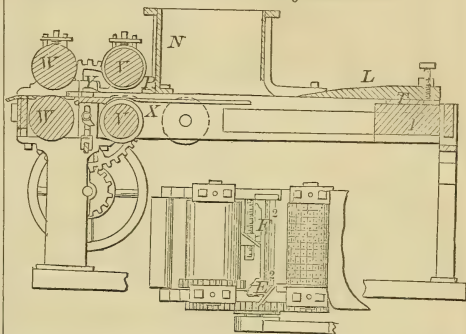
58933—I. Allard—Wood Sawing Machine.



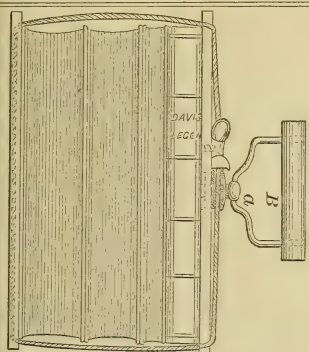
58936—J. C. Barlow—Lid Supporter.



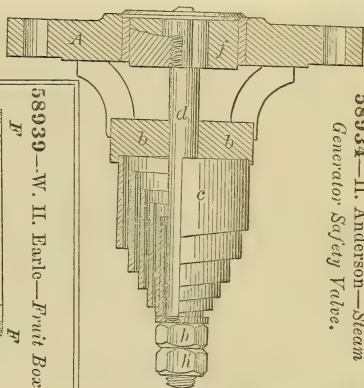
58938—A. M. Connett—Shingle Machine.



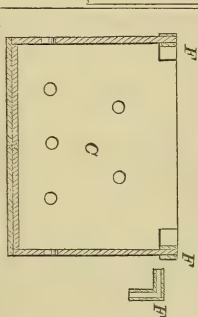
58940—T. Goodrum—School Boys' Bookbinders.



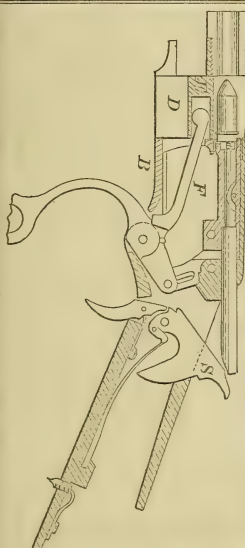
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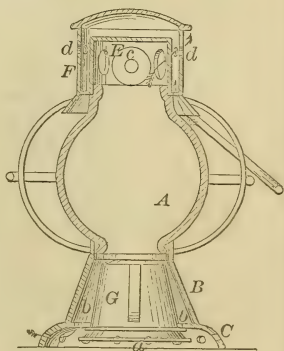
58939—W. H. Earle—Fruit Box.



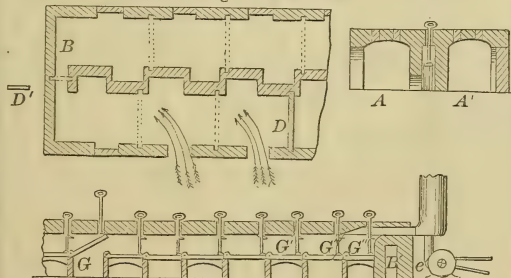
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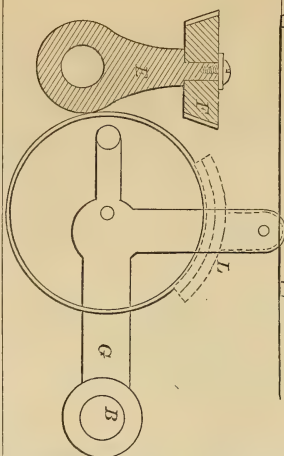
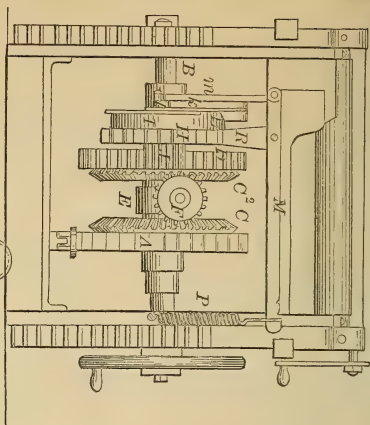
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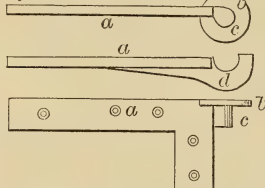
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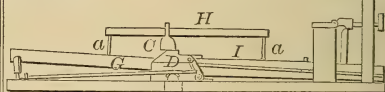
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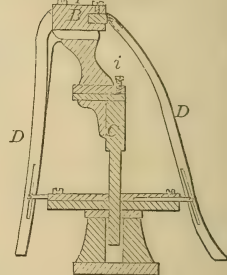
58948—E. C. Little—Hinge for Moulders' Flasks.



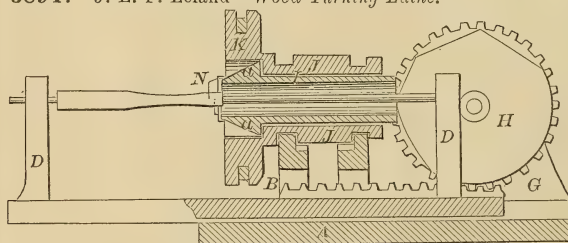
58950—W. H. Mason—Piano Forte.



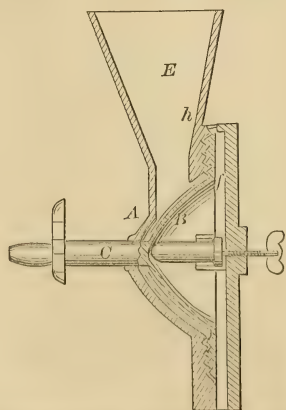
58949—H. S. Loper—Adjustable Frame for Hoop Skirts.



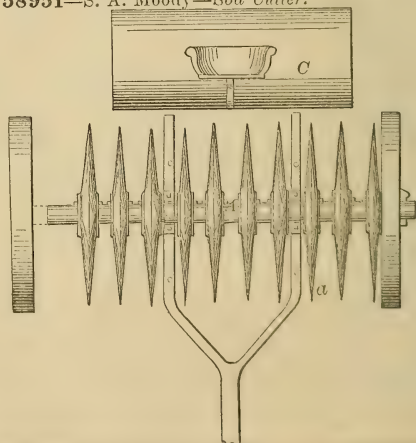
58947—J. E. F. Leland—Wood Turning Lathe.



58946—J. G. Lane—Coffee Mill.



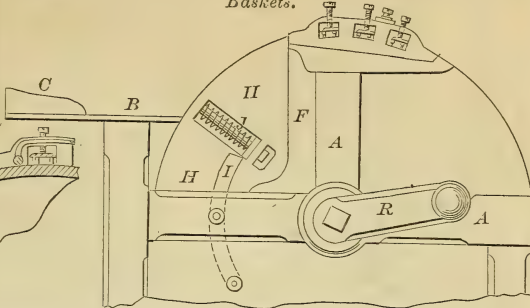
58951—S. A. Moody—Sod Cutter.



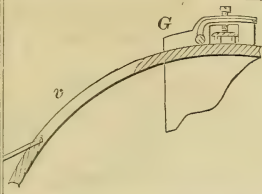
58952—G. Munger—*Ink Well Cover.*



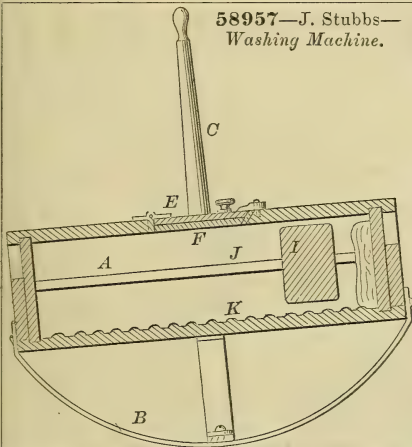
58958—Root & H. & E. Colt—*For Dressing Willow for Baskets.*



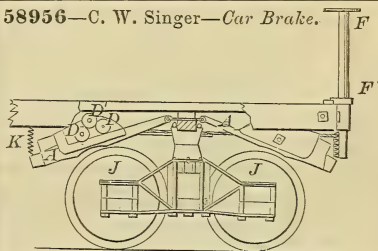
58954—S. J. Shaw—*Eyelid Brace.*



58957—J. Stubbs—*Washing Machine.*



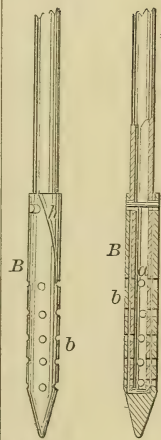
58956—C. W. Singer—*Car Brake.*



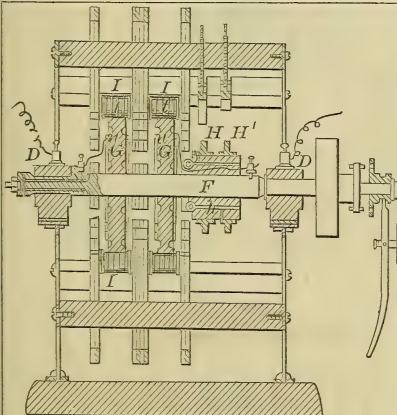
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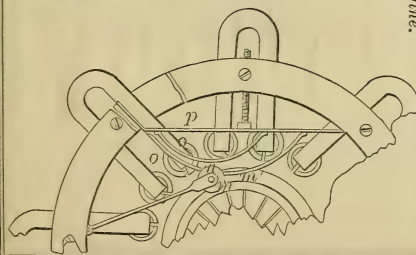
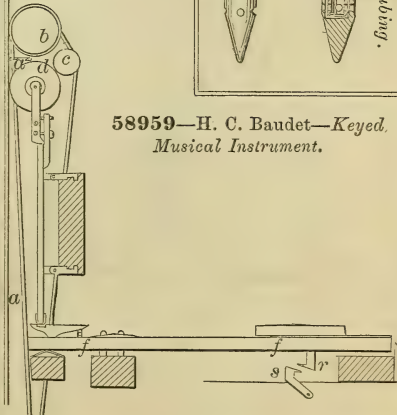
58953—R. T. Osgood—*For Sinking Well Tubing.*



58960—A. P. Berlion—*Electro-Magnetic Engine.*



58959—H. C. Baudet—*Keyed Musical Instrument.*





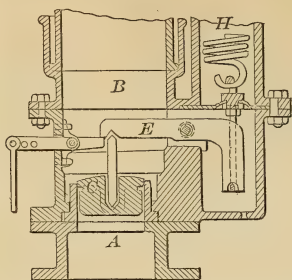
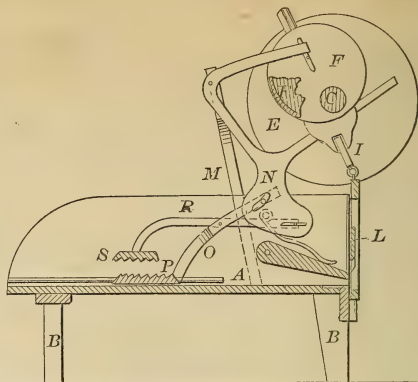
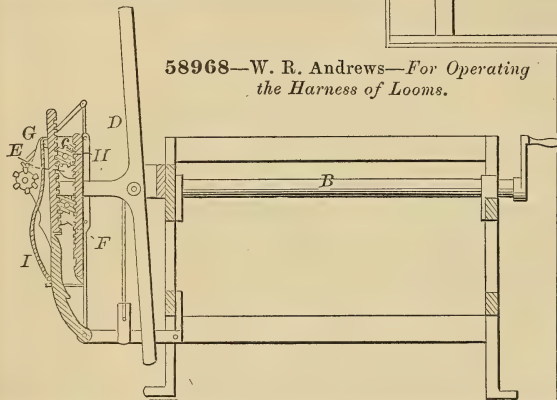
58962—W. Naylor—*Steam Safety Valve.*58967—W. F. Altfather—*Feed Cutter.*58968—W. R. Andrews—*For Operating the Harness of Looms.*58963—Shipton & Mitchell—*For Forging Pipe Joints.*

Fig. 1

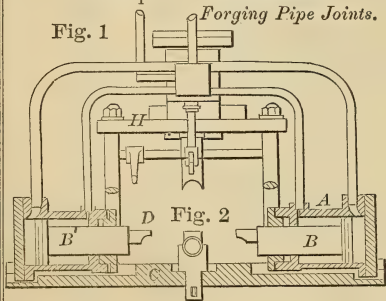
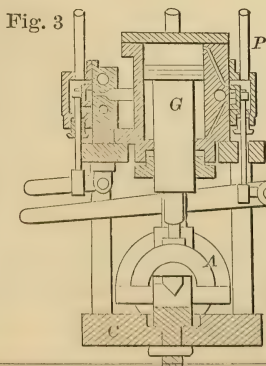
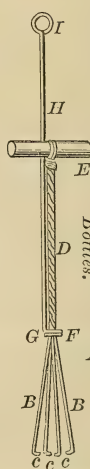
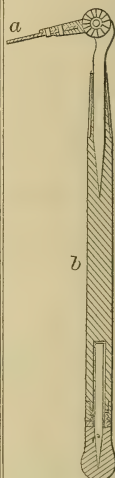
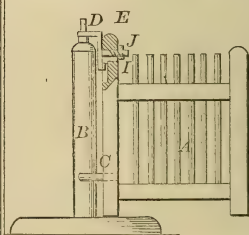
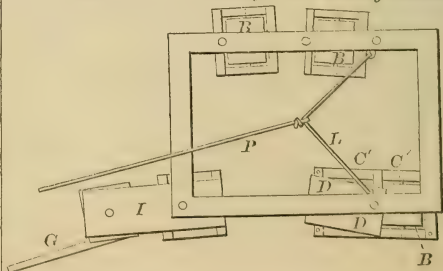
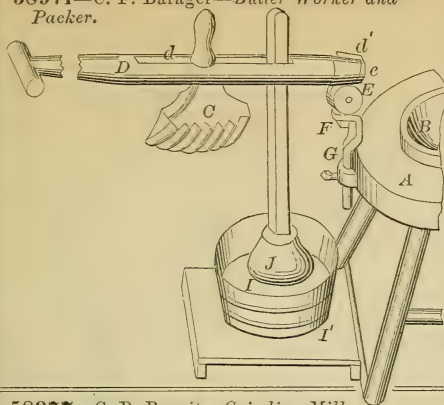


Fig. 2

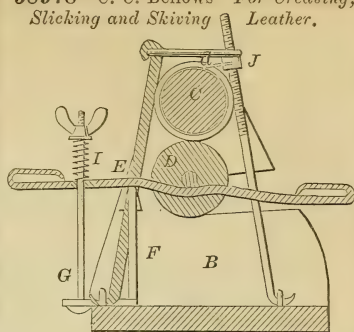
Fig. 3

58964—J. Absterdam—*Screw.*58969—J. T. Ashley—*For Extracting Corks from Bottles.*58966—S. W. Adams—*Hoe.*58965—H. Adams—*Gate.*58970—E. H. Avery—*For Moving Buildings.*

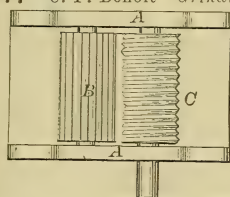
58971—C. F. Barager—Butter Worker and Packer.



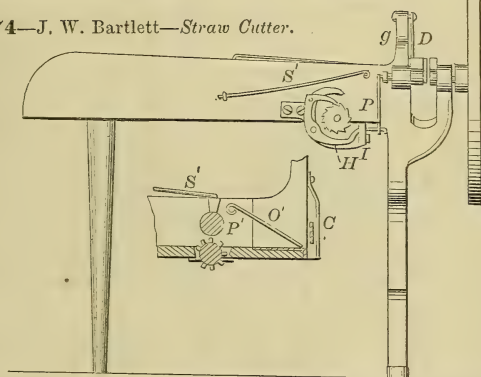
58978—C. C. Bellows—For Creasing, Slicking and Skiving Leather.



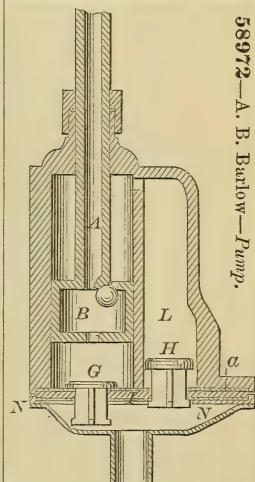
58977—C. P. Benoit—Grinding Mill.



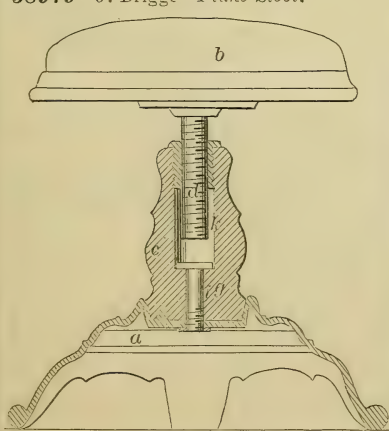
58974—J. W. Bartlett—Straw Cutter.



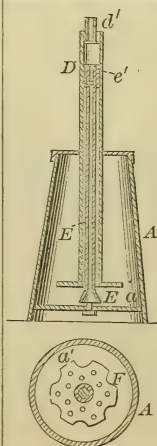
58972—A. B. Barlow—Pump.



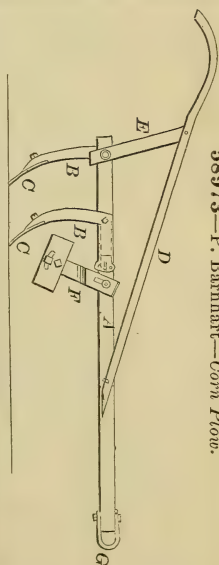
58979—J. Briggs—Piano Stool.

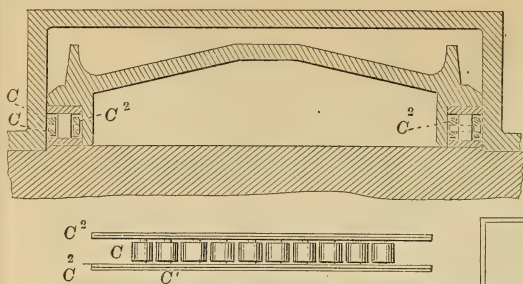
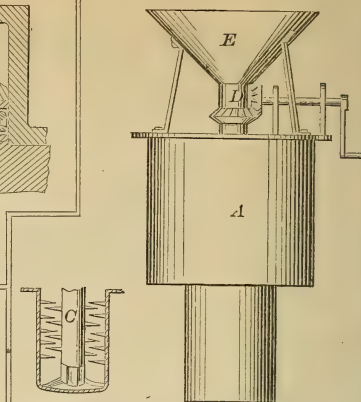
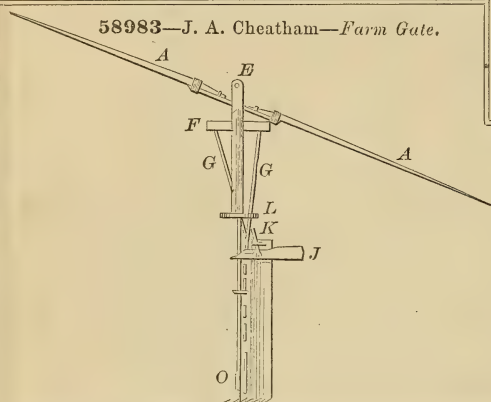
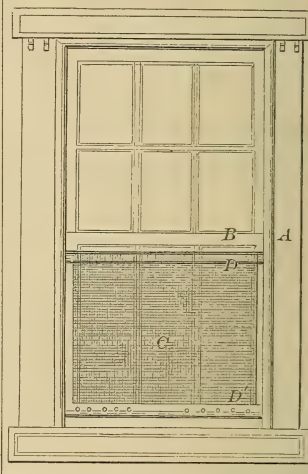
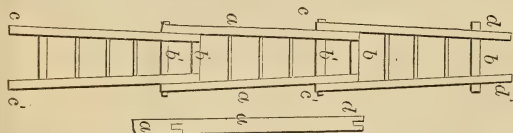
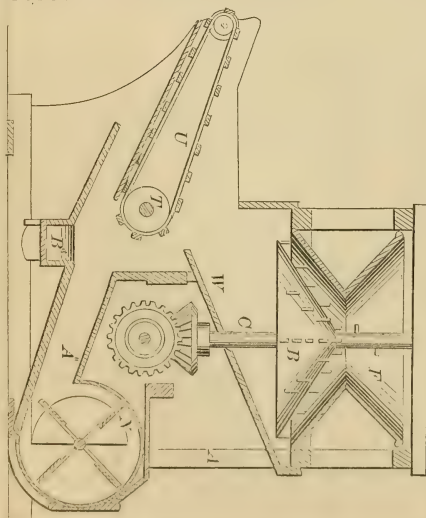
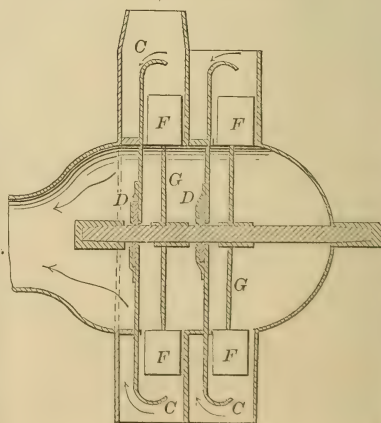


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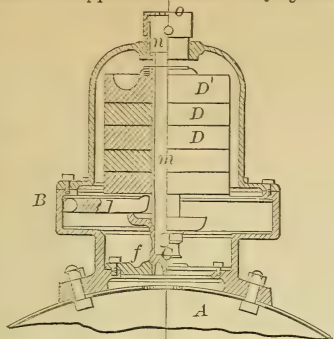
58973—P. Barnhart—Corn Plow.



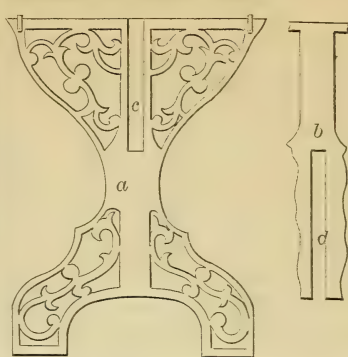
58980—R. C. Bristol—*Steam Engine Slide Valve.*58981—E. Brown—*Amalgamator.*58983—J. A. Cheatham—*Farm Gate.*58982—Bucklin & Sutton—*Window Screen.*58984—G. Ckertzizza—*Ladder.*58986—W. Colwell—*Corn Sheller.*58985—P. Clark—*Fan Blower.*



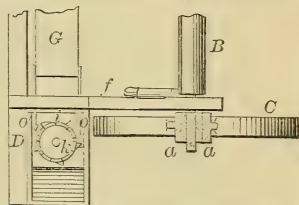
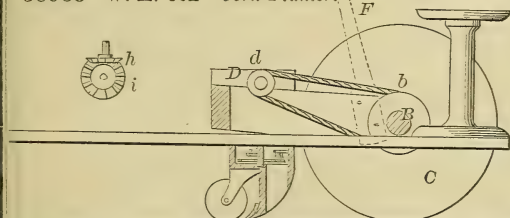
58987—Coppin & Clemens—*Safety Valve.*



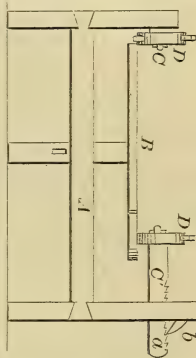
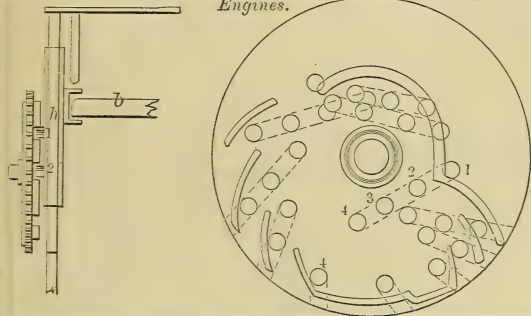
58995—E. Dinter—*Table.*



58988—W. H. Cox—*Corn Planter.*

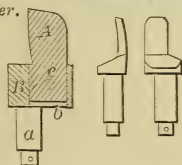


58989—Crockett & Mills—*For Stripping Top Flats of Carding Engines.*

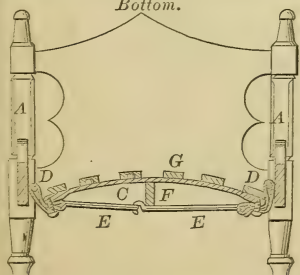


58991—A. M. Culver—*Table and Holder for Shearing Sheep.*

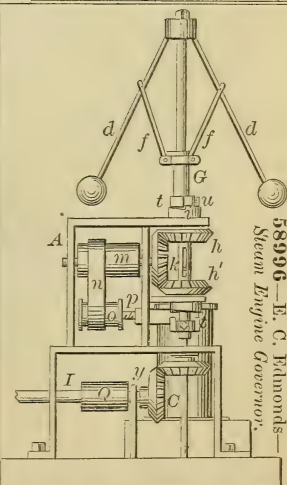
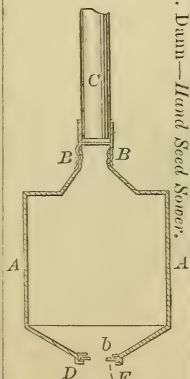
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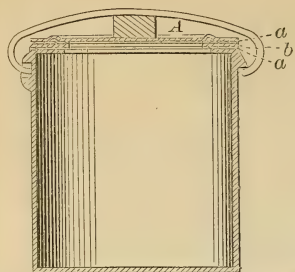
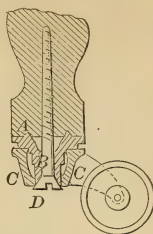
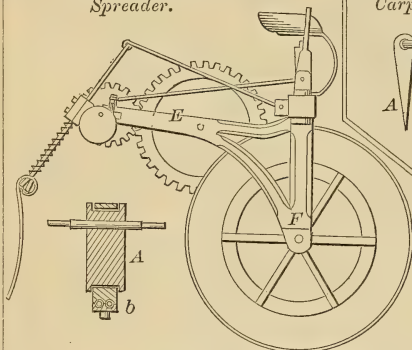
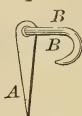
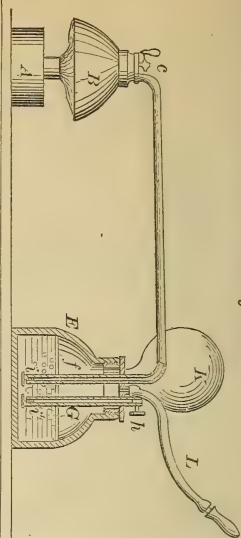
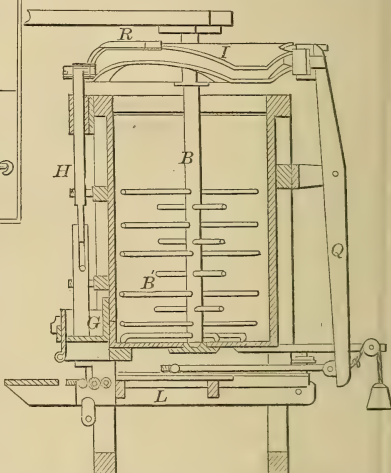
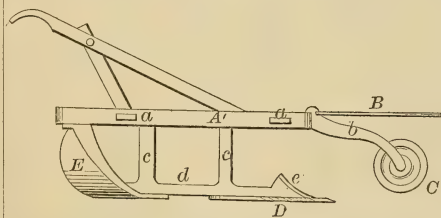
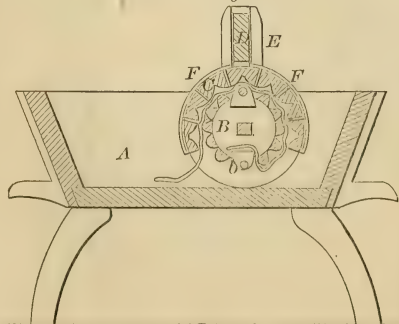
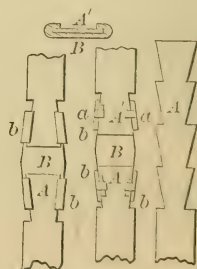
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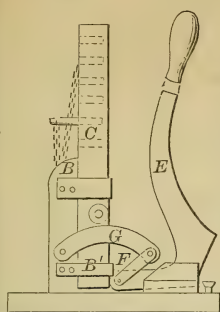
58993—O. Dunn—*Hand Seed Sower.*



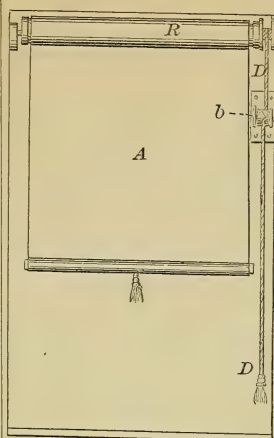
58996—E. C. Edmunds—*Steam Engine Governor.*

58998—H. S. Fisher—*Seal for Cans.*58999—F. G. Ford—*Furniture Caster.*59001—C. R. Frink—*Hay Spreader.*59002—R. A. Gawler—*Carpet Fastener.*59000—T. F. Frank—*For Inhaling Gas.*59006—J. B. Gridley—*Brick Machine.*59003—W. O. Gibson—*Cultivator Plow.*59005—J. J. Green—*Washing Machine.*59007—J. H. Gridley—*Cotton Bale Tie.*

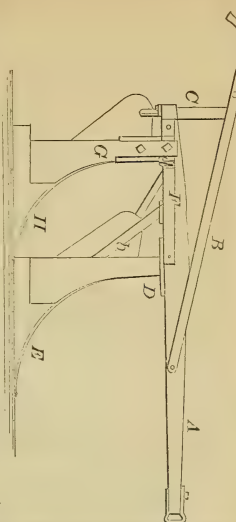
**59008**—J. F. Hammond—*Carriage Jack.*



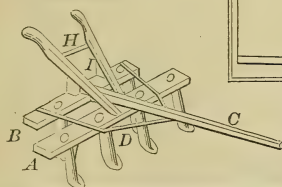
**59009**—B. Handforth—*Curtain Fixture.*



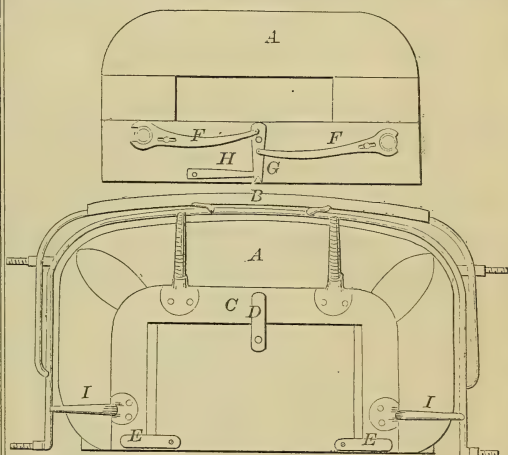
**59010**—J. Harris—*Plow.*



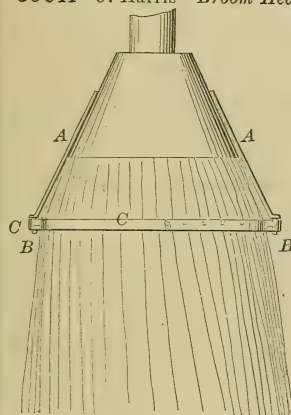
**59013**—J. B. Herr—*Cultivator.*



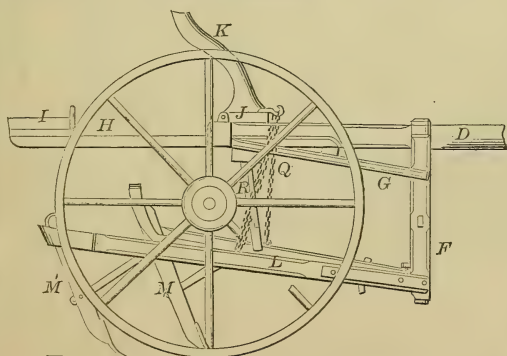
**59014**—A. V. Heyden—*For Shifting Carriage Tops.*



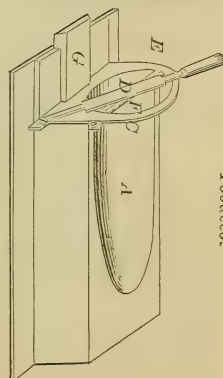
**59011**—J. Harris—*Broom Head.*



**59012**—J. B. Herman—*Cultivator.*

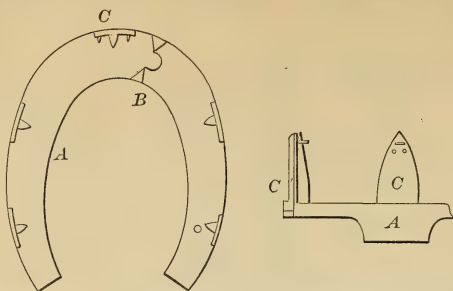


**59015**—L. F. Hildebrand—*For Cutting Tobacco.*

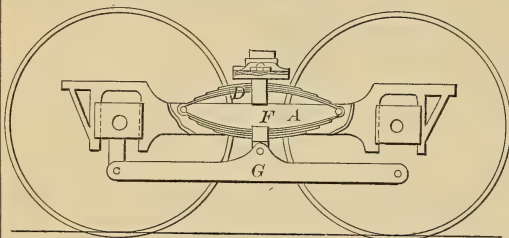




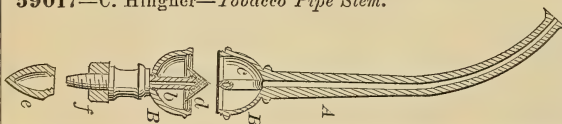
59016—W. Hinds—*Horse Shoe.*



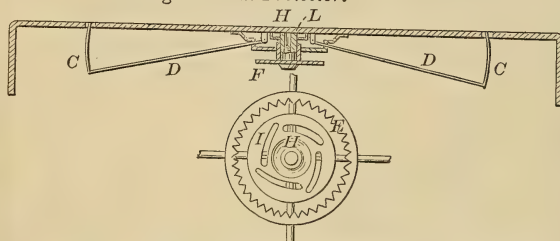
59021—J. S. Howard—*Car Truck.*



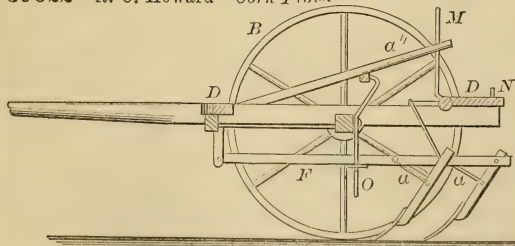
59017—C. Hingher—*Tobacco Pipe Stem.*



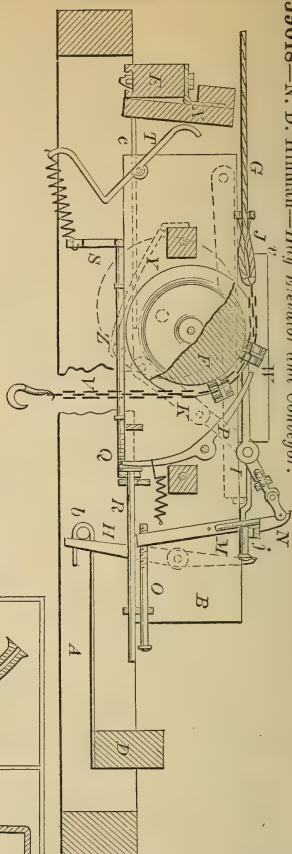
59019—H. Hodgson—*Hat Protector.*



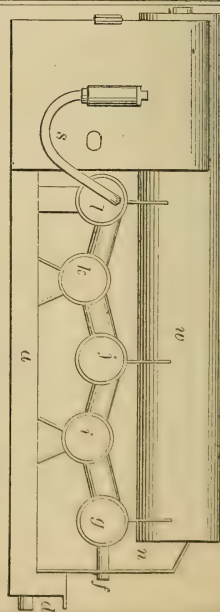
59022—R. C. Howard—*Corn Plow.*



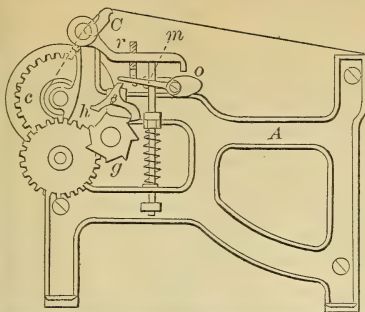
59023—W. Hunter—*Fence Post.*

59018—N. D. Hinnman—*High Elevator and Conveyor*.

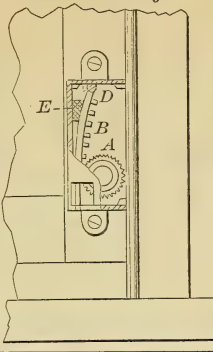
59020—P. Holzcl—Steam Generator.



59024—D. Hussey—*Let-off for Looms.*

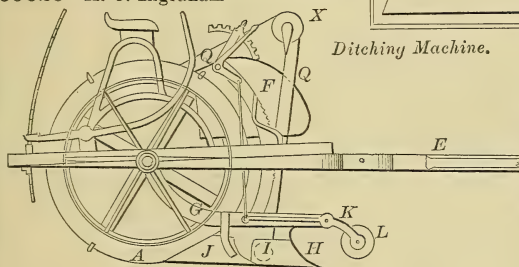


59026—B. S. Hyers—*Sash Fastening.*

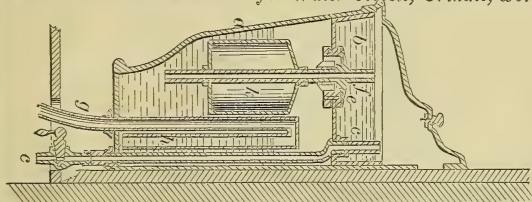


59028—H. C. Ingraham—

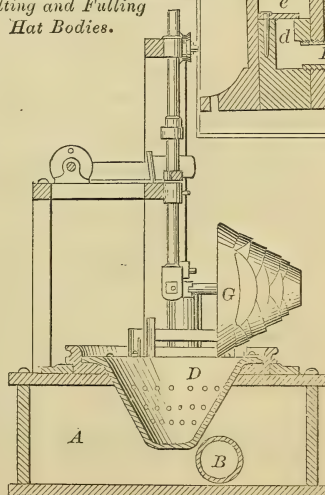
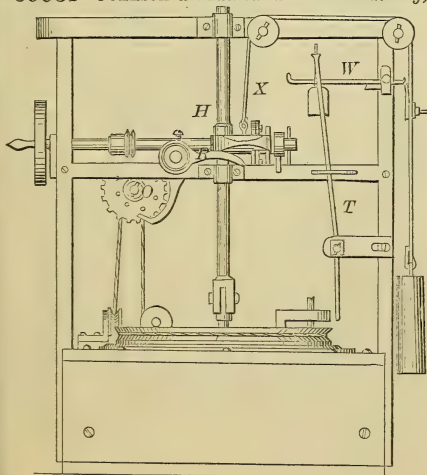
*Ditching Machine.*



59029—A. Ivers—*Cistern for Water Closets, Urinals, &c.*



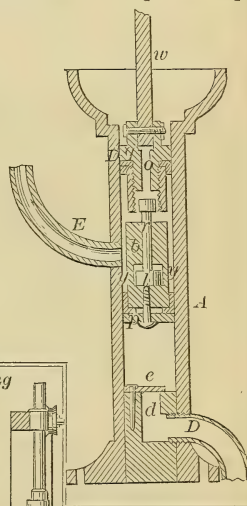
59031—Johnson & Murkland—*For Moulding, Felting and Fulling Hat Bodies.*



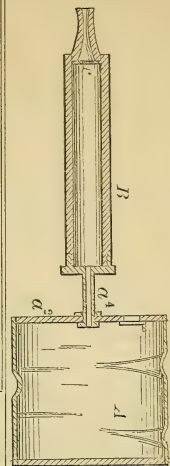
59027—G. W. Ingalls—*Reed Plate for Melodeons, &c.*

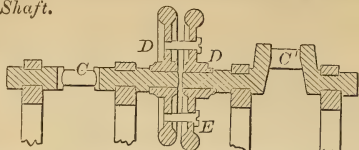
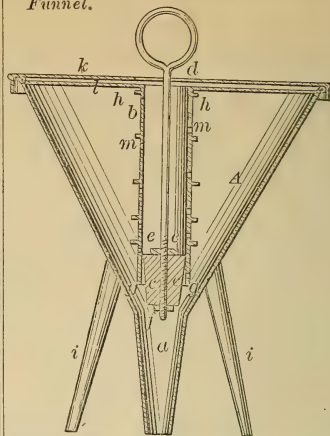
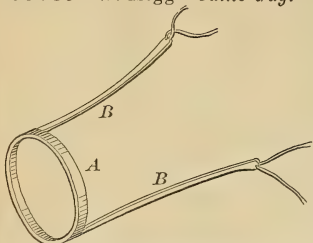
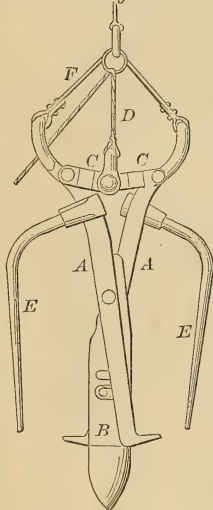
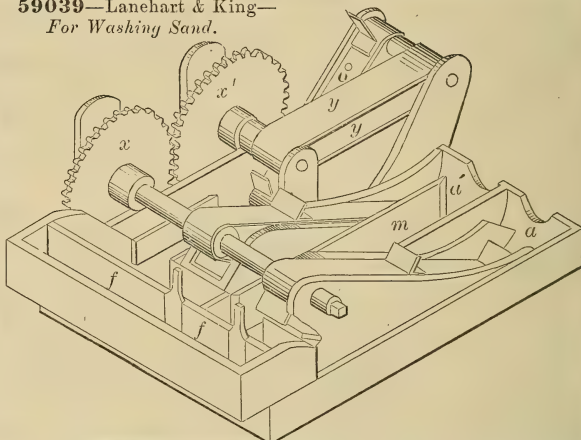
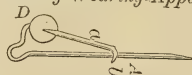
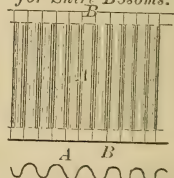
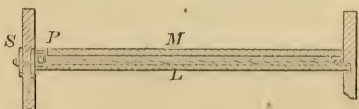
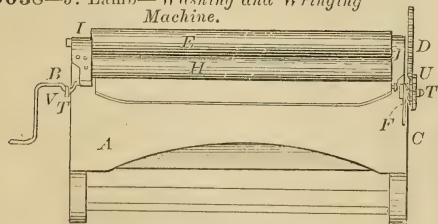
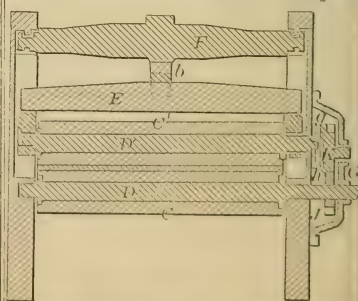


59030—D. L. Jaques—*Pump.*



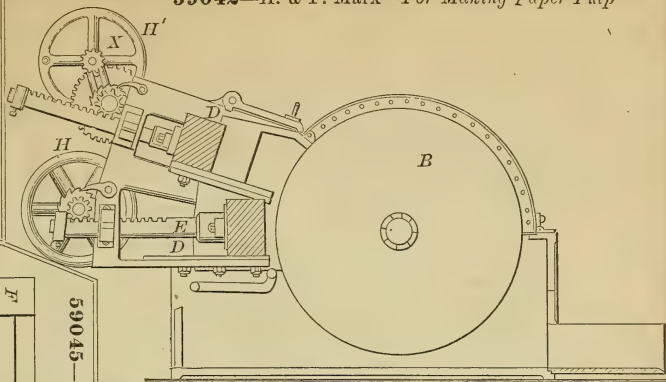
59025—J. Hutchins, Jr.—*Punigator.*



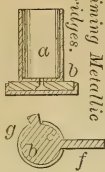
**59032**—E. B. Jucket—*Fly Wheel and Crank Shaft.***59034**—W. E. Keene—*Measuring Funnel.***59035**—W. Kegg—*Cattle Gag.***59037**—A. P. Kinney—*Spindle Step.***59033**—H. Kauffman—*Horse Hay Fork.***59039**—Lanehart & King—*For Washing Sand.***59040**—Lindsay & Moses—*Hook Pin for Fastening Wearing Apparel.***59036**—G. E. King—*Fluted Puffing for Shirt Bosoms.***59038**—J. Lamb—*Washing and Wringing Machine.***59041**—J. S. Lash—*Clothes Wringer.*



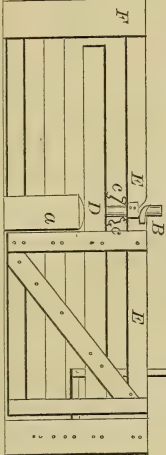
59042—H. & F. Marx—For Making Paper Pulp



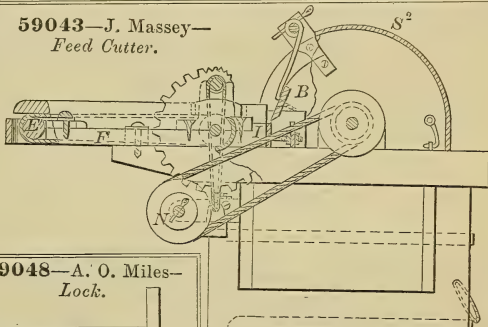
59044—W. Maynard—For Priming Metallic Cartridges.



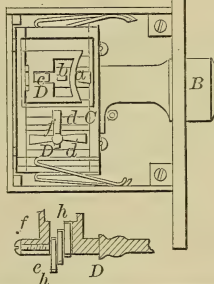
59045—O. C. McCarty—Gate.



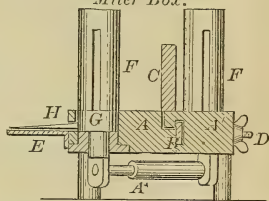
59043—J. Massey—Feed Cutter.



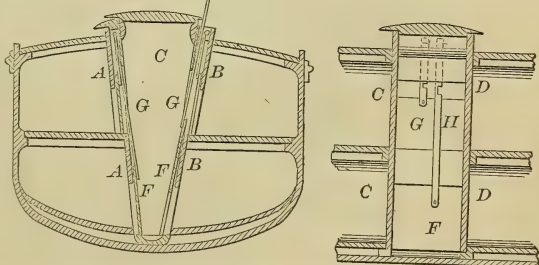
59048—A. O. Miles—Lock.



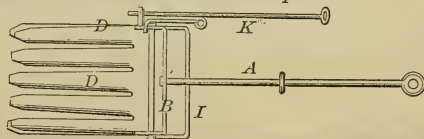
59046—J. A. McKinstry. Miter Box.



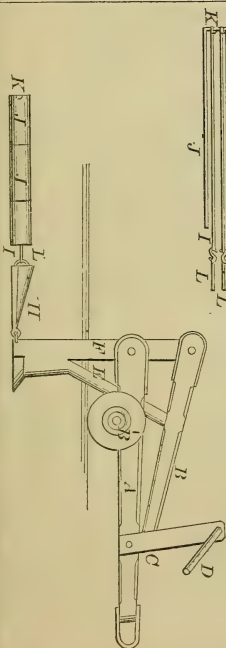
59047—C. H. Merry—For Discharging Grain from Vessels.

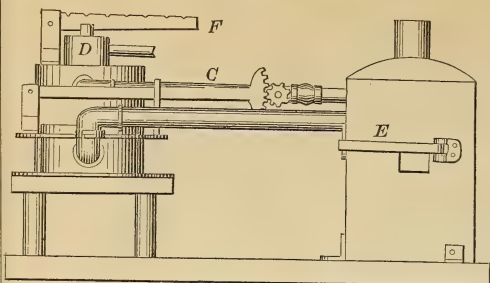
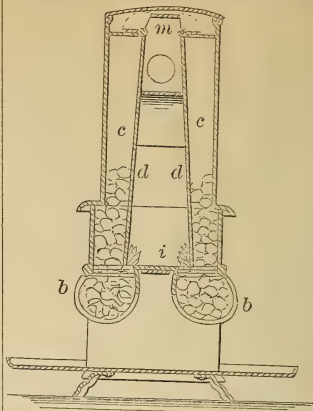
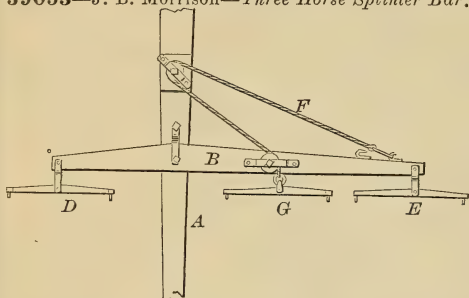
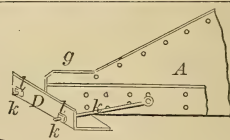
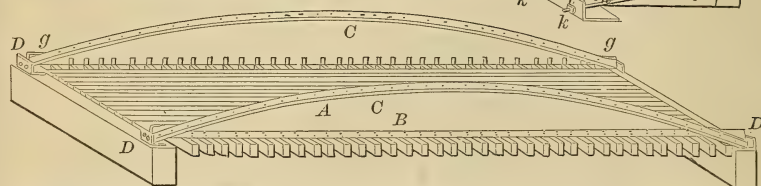
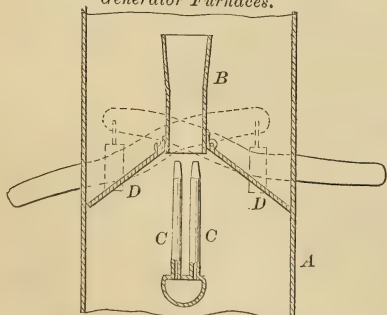
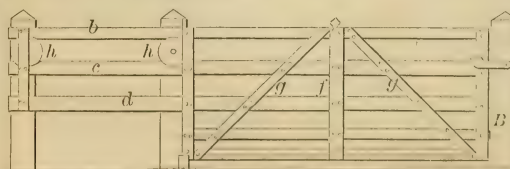
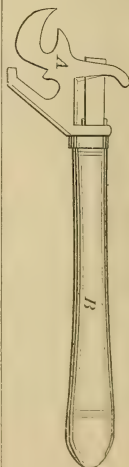


59050—W. H. Miller—Rake and Spade.

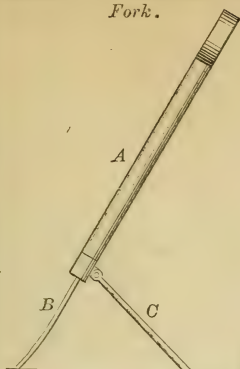


59049—A. Miller—Mole Plow.

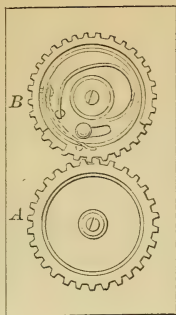


**59051**—T. Mitchell—*Steam Generator.***59057**—G. Nimms—*Stove Grate.***59053**—J. B. Morrison—*Three Horse Splinter Bar.***59056**—R. Nickson—*Carriage Top Protector.***59054**—T. W. H. Moseley—*Bridge.***59055**—D. M. Nichols—*Steam Jet for Steam Generator Furnaces.***59060**—M. Packard—*Gate.***59059**—F. M. Osborn—*Tack Extractor.***59058**—J. R. Oakley—*Stove Grate, Pot and Pinu Lifter.*

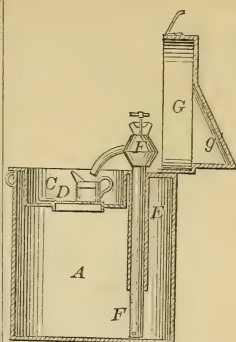
59061—J. S. Patterson—*Potato Fork.*



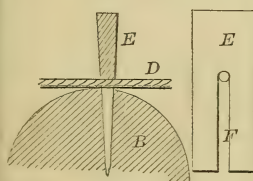
59064—L. B. Potter—*Intermittent and Expansive Gearing.*



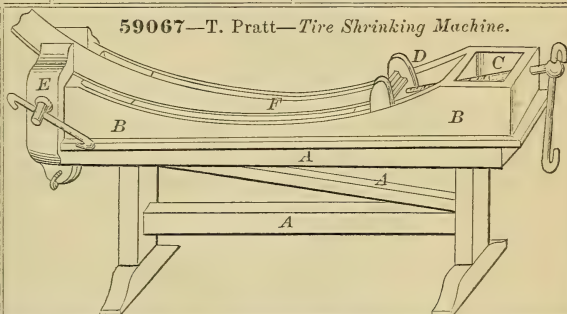
59066—W. J. Prall—*Oil Can.*



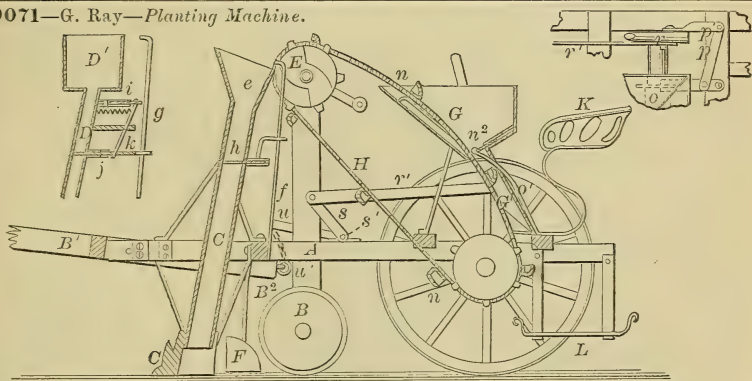
59072—T. B. Raymond—*Rafting Pin.*



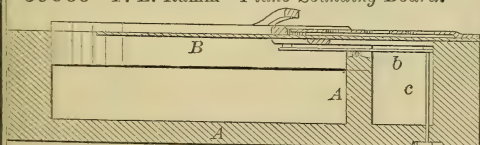
59067—T. Pratt—*Tire Shrinking Machine.*



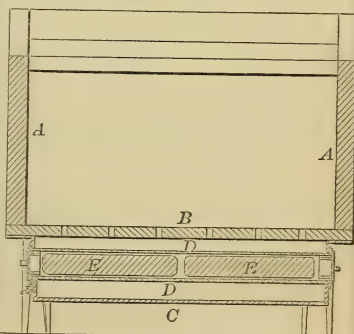
59071—G. Ray—*Planting Machine.*



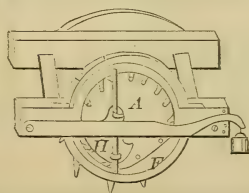
59069—F. E. Ramm—*Piano Sounding Board.*



59068—W. H. Pratt—*Washing Machine Heater.*

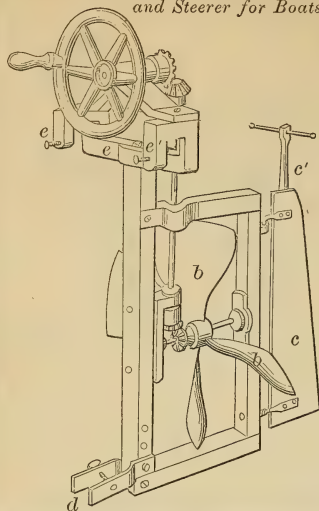


59073—O. Redmond—*Steam Plow.*

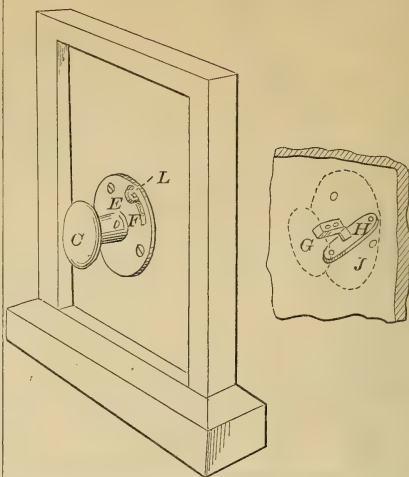




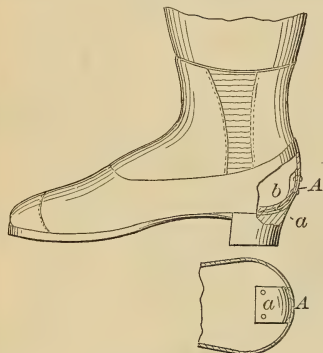
**59074**—T. Reece—*Portable Propeller and Steerer for Boats.*



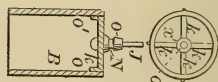
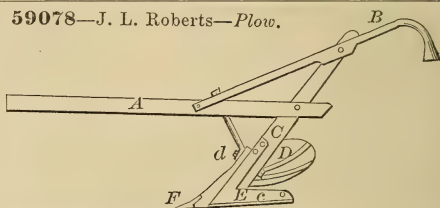
**59076**—F. A. Richardson—*Stop Mortise Latch.*



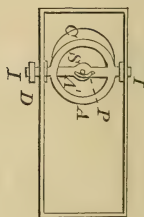
**59075**—J. Reising—*Counter Supporter.*



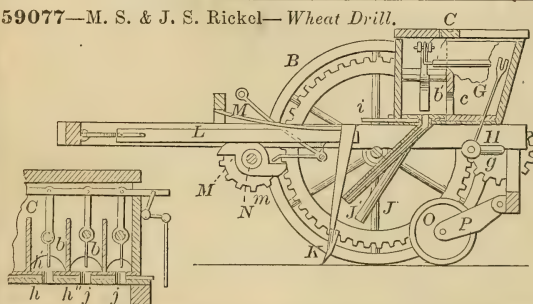
**59078**—J. L. Roberts—*Plow.*



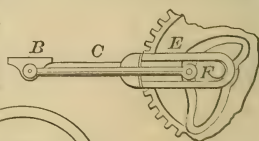
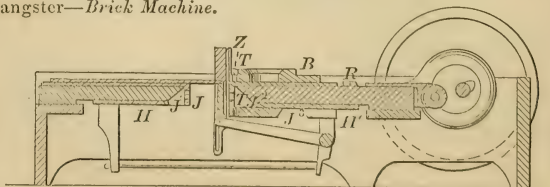
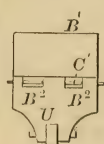
**59079**—C. W. Saladee—*Water Driver.*



**59077**—M. S. & J. S. Rickel—*Wheat Drill.*

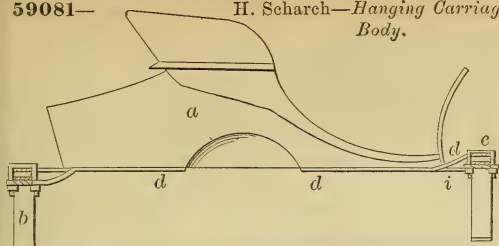


**59080**—J. Sangster—*Brick Machine.*

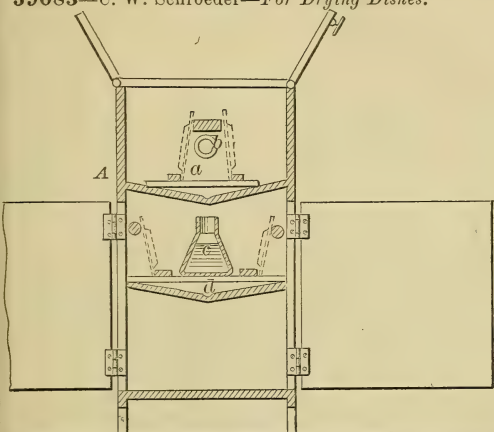


59081—

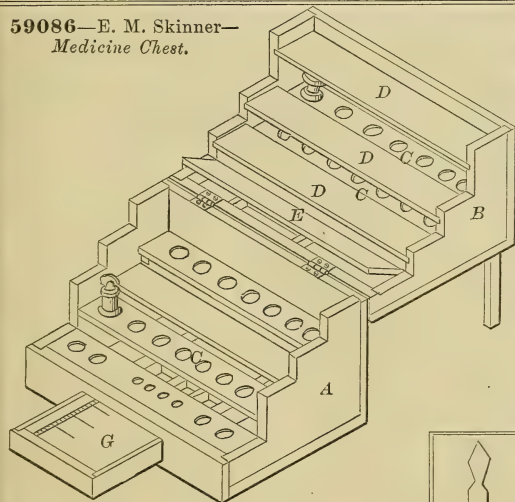
H. Scharch—*Hanging Carriage Body.*



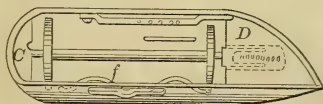
59083—C. W. Schroeder—*For Drying Dishes.*



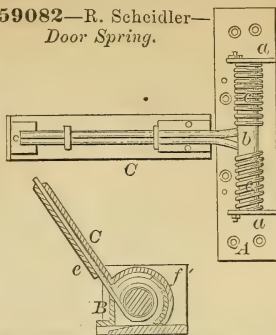
59086—E. M. Skinner—*Medicine Chest.*



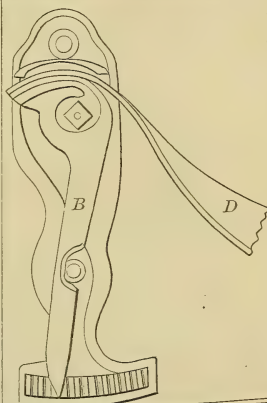
59088—E. H. Smith—*Sewing Machine Shuttle.*



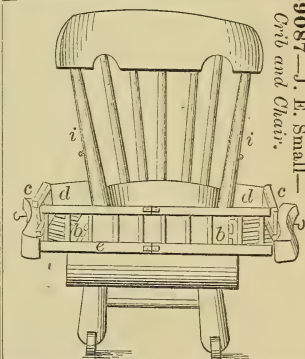
59082—R. Scheidler—*Door Spring.*



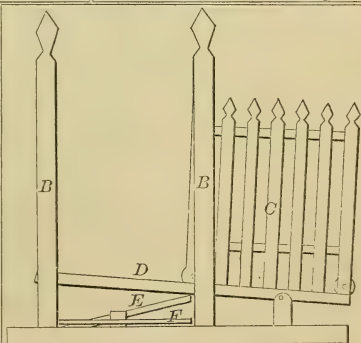
59085—J. P. Sinclair—*Hitching Clamp or Hold Fast.*



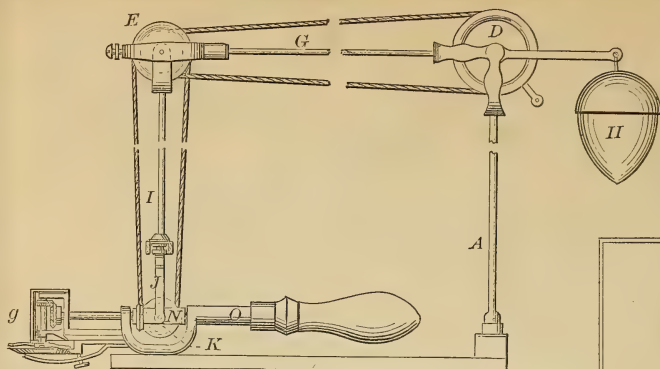
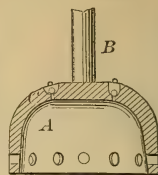
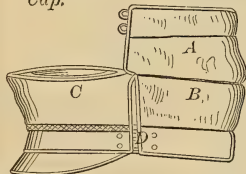
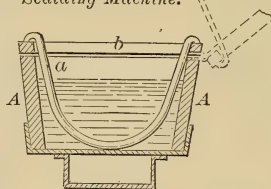
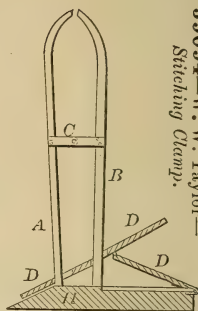
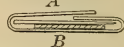
59087—J. E. Small—*Crib and Chair.*



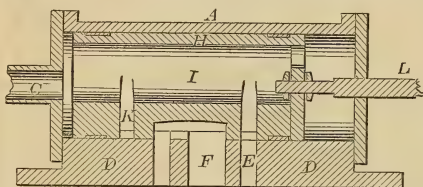
59084—C. Seefeld—*Gate.*



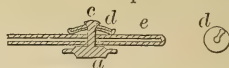
59089—R. T. Smith—Transmitting Motive Power.

59091—  
N. H. Spencer—  
Churn Dasher.59092—C. & F. Stattmann—  
Cap.59093—M. Strieker—Hog  
Scalding Machine.59094—W. W. Taylor—  
Stitching Clamp.59095—S. E. Totten—  
Wrapper for Needles.

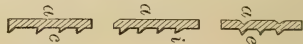
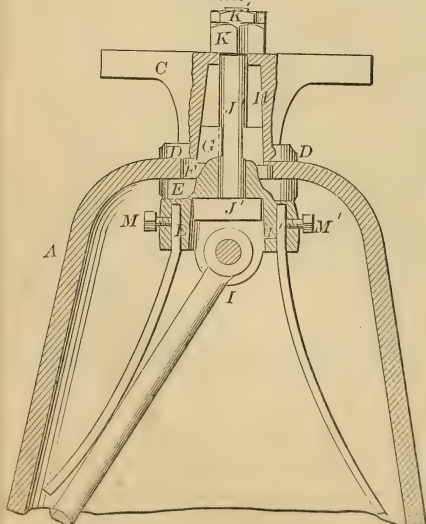
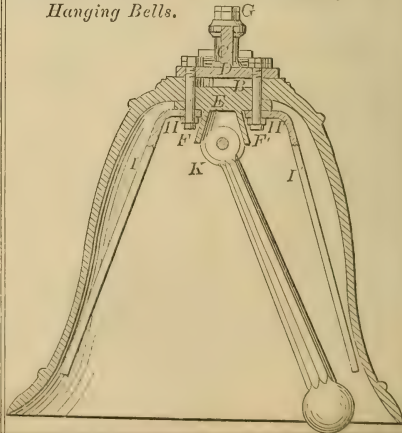
59096—J. Trent—Balanced Steam Valve.



59090—C. F. Spencer—Button.

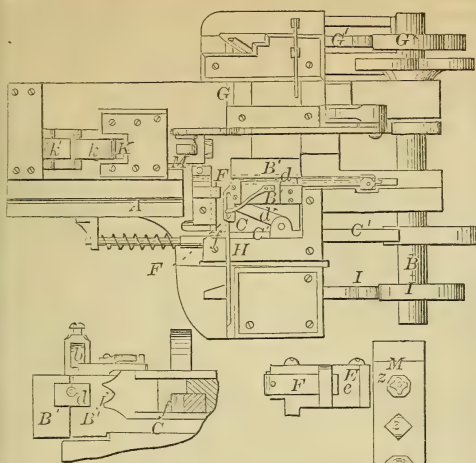


59097—H. W. C. Tweddle—Barrel Hoop.

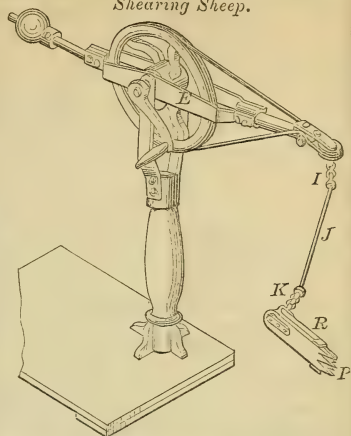
59099—E. W. Vanduzen—Mode of Hanging  
Bells.59098—E. W. Vanduzen—Mode of  
Hanging Bells.



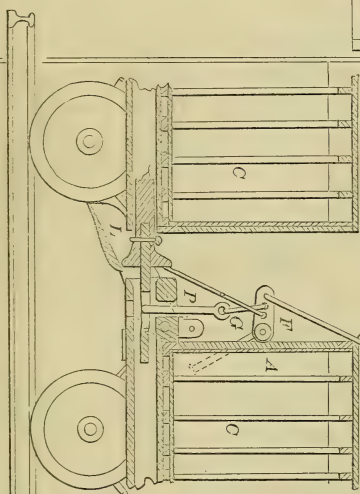
59100—B. Walker—*Bolt Heading Machine.*



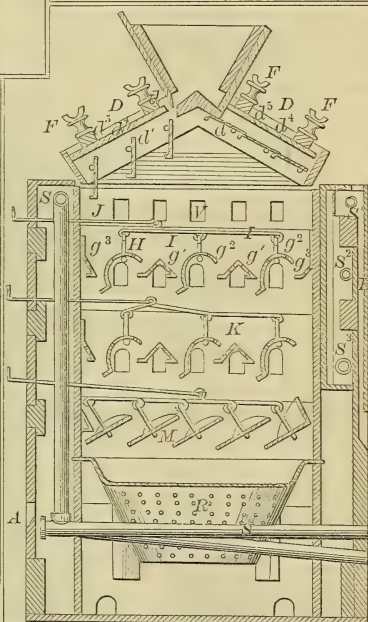
59103—Washburn & Brintnall—*For Shearing Sheep.*



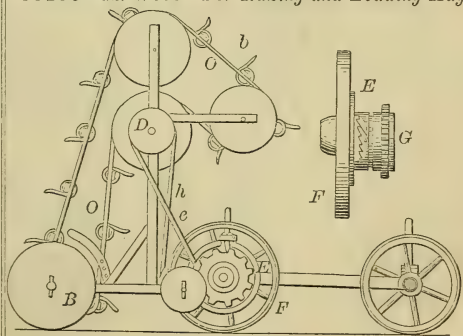
59101—S. J. Wallace—Car Coupling.



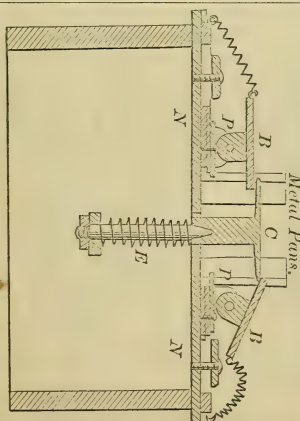
59102—N. Wallaster—Grain Drying Kiln. T.



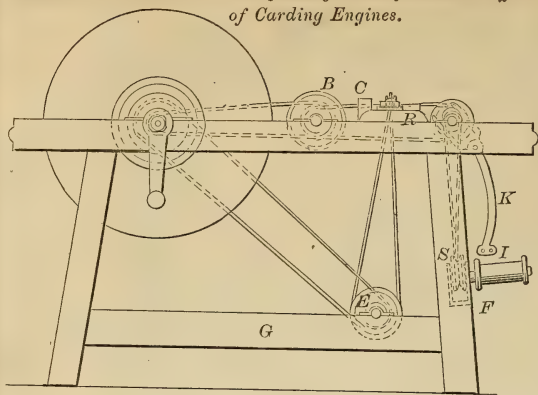
59105—M. Webb—*For Raking and Loading Hay.*



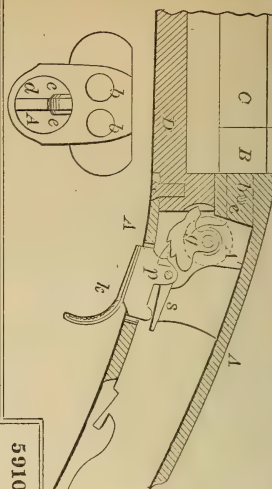
59104—O. W. Way—For Making Sheet



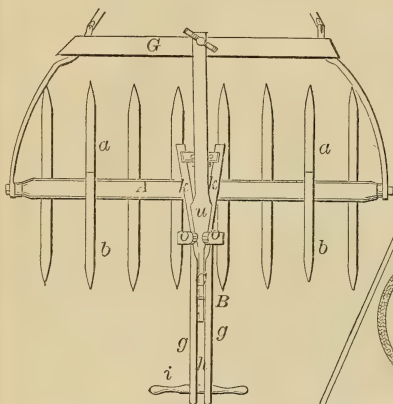
**59106**—T. Welham—*For Spinning direct from the Doffer of Carding Engines.*



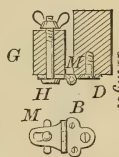
**59110**—E. Whitney—*Double-Barreled Fire Arm.*



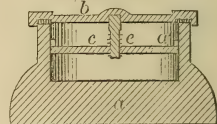
**59113**—J. Wood—*Horse Rake.*



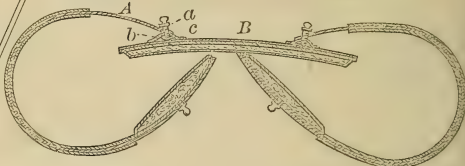
**59107**—W. T. Wells—*Hinge.*



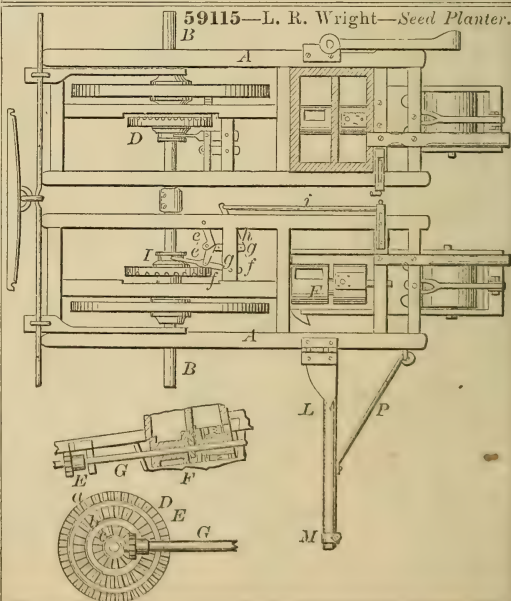
**59111**—L. J. Wicks—*Fruit Can.*



**59108**—T. S. Wheeler—*Truss Pad.*



**59115**—L. R. Wright—*Seed Planter.*



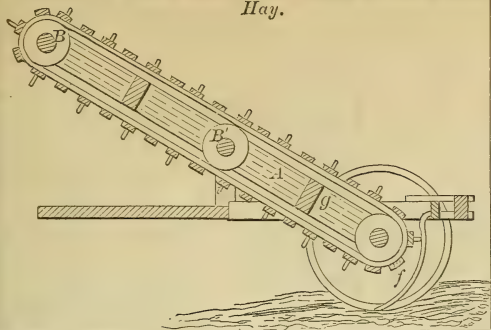
**59112**—S. Winkley—*Railway.*



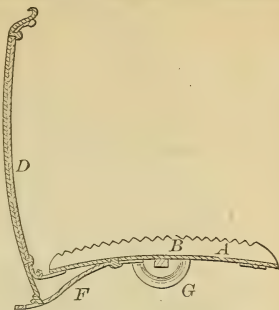
**59114**—G. C. Wright—*Portable Fence.*



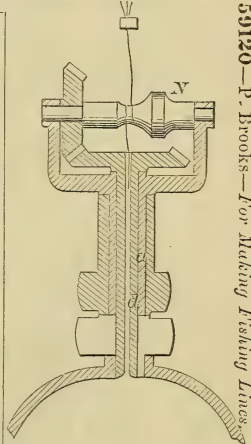
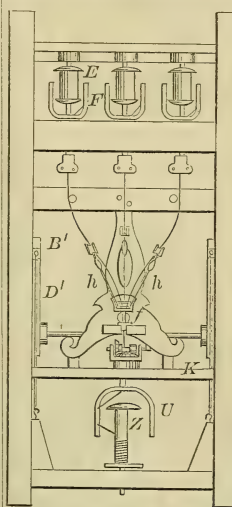
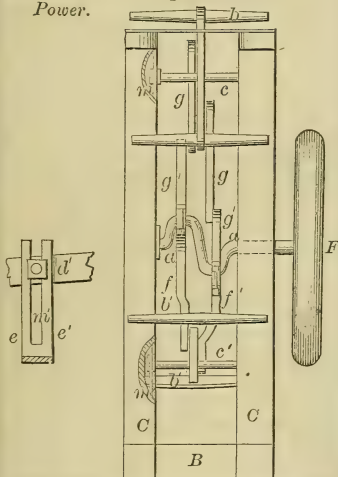
**59116**—R. & I. Wright—*For Raking and Loading Hay.*



**59118**—W. F. Arnold—*Curry Comb.*

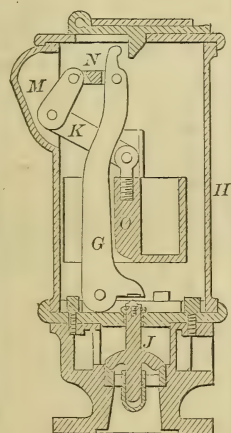


**59117**—J. H. Yager—*Manual Power.*

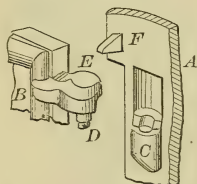


**59120**—P. Brooks—*For Making Fishing Lines.*

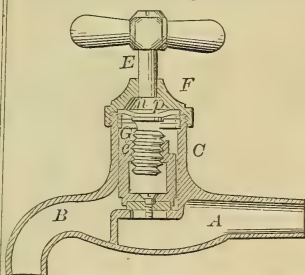
**59121**—W. Burnett—*Safety Valve.*



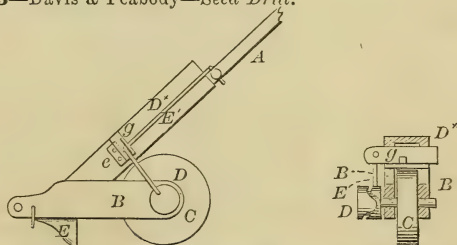
**59119**—S. C. Batchelor—*Store Door.*



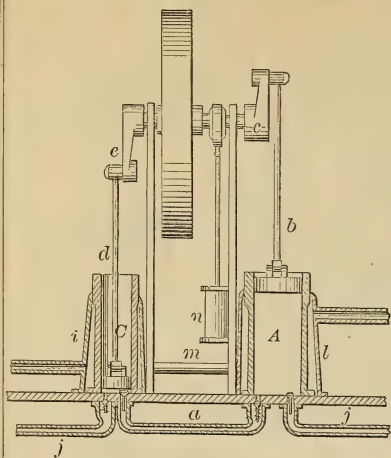
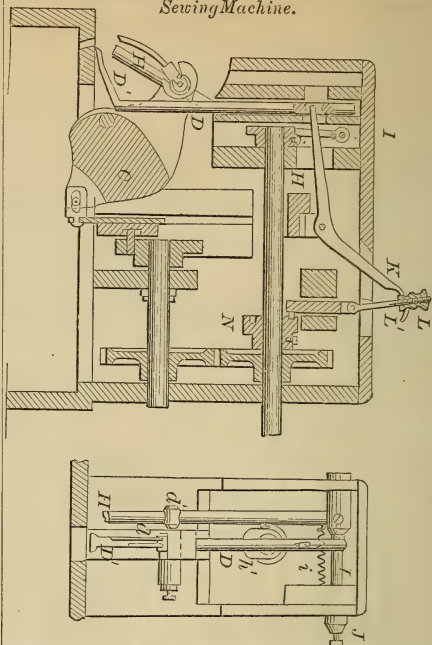
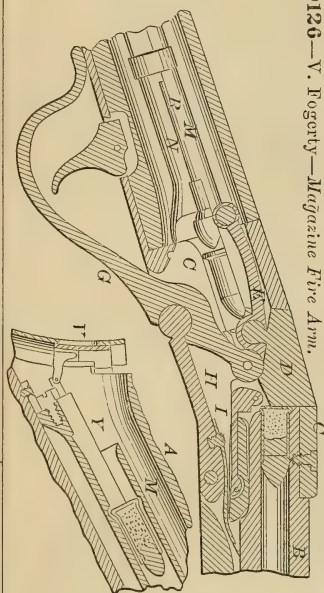
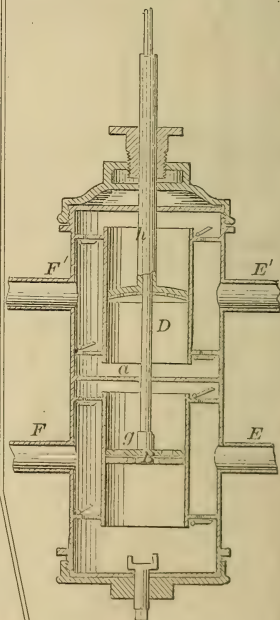
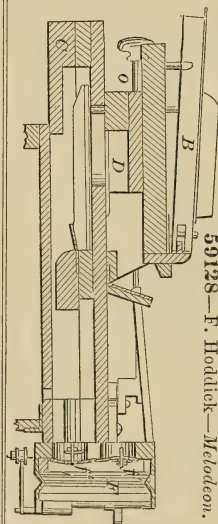
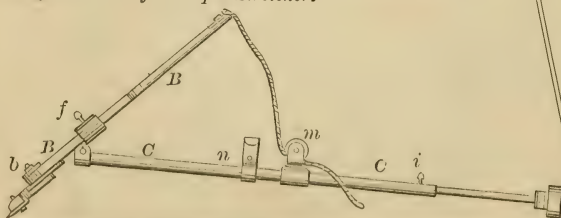
**59122**—W. S. Cooper—*Faucet.*



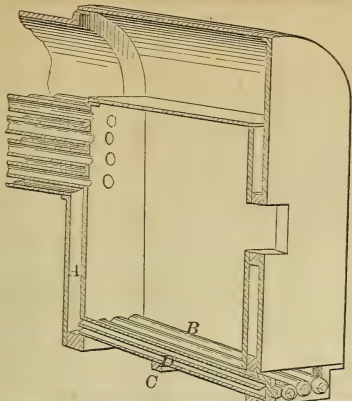
**59123**—Davis & Peabody—*Seed Drill.*



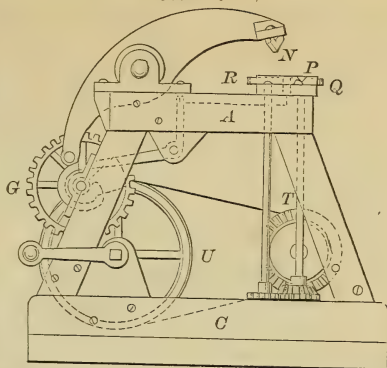


**59124**—J. N. Dennison—*Air Compressing Pump.***59127**—T. J. Halligan—*Waxed Thread Sewing Machine.***59126**—V. Fogarty—*Magazine Fire Arm.***59125**—J. N. Dennison—*Pump.***59128**—F. Hoddick—*Melodion.***59129**—J. Kaily—*Carpet Stretcher.*

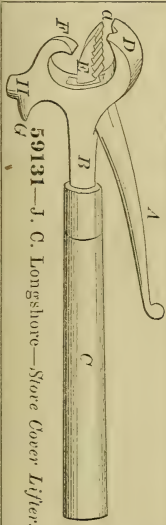
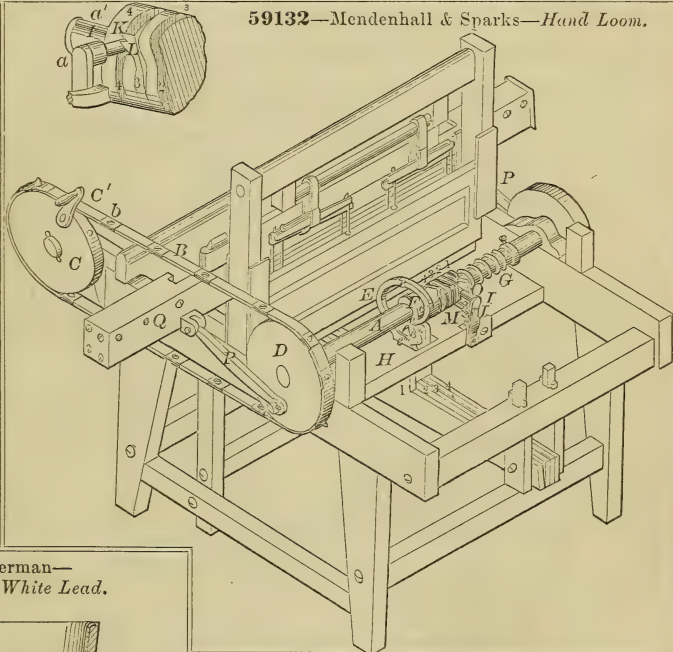
59130—W. A. L. Kirk—Water Grate.



59134—C. E. Moore—For Folding Paper Collars.



59132—Mendenhall & Sparks—Hand Loom.

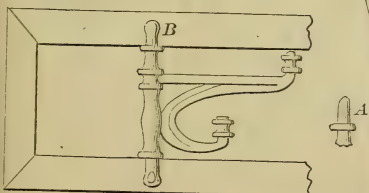


59131—J. C. Longshore—Store Cover Lifter.

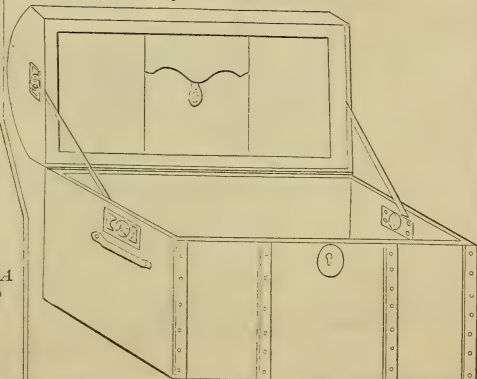
59135—H. J. Overman—  
Manufacture of White Lead.



59133—J. O. Montignani—  
Clothes Rack.



59136—E. B. Quick—Trunk.



59137—H. J. &amp; J. Reedy—Hoisting Machine.

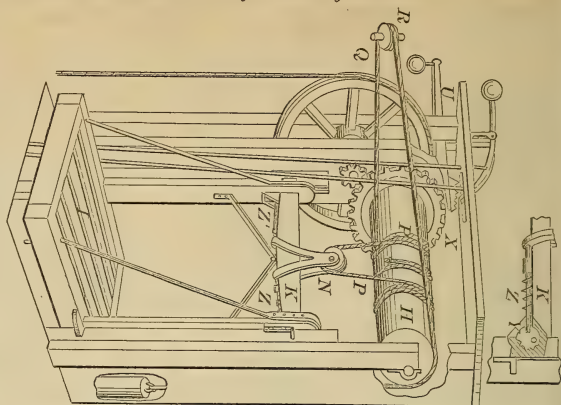
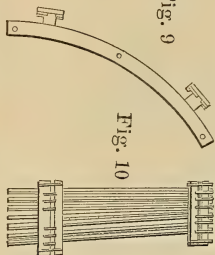
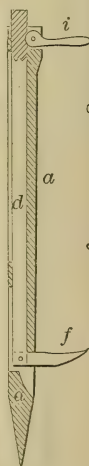
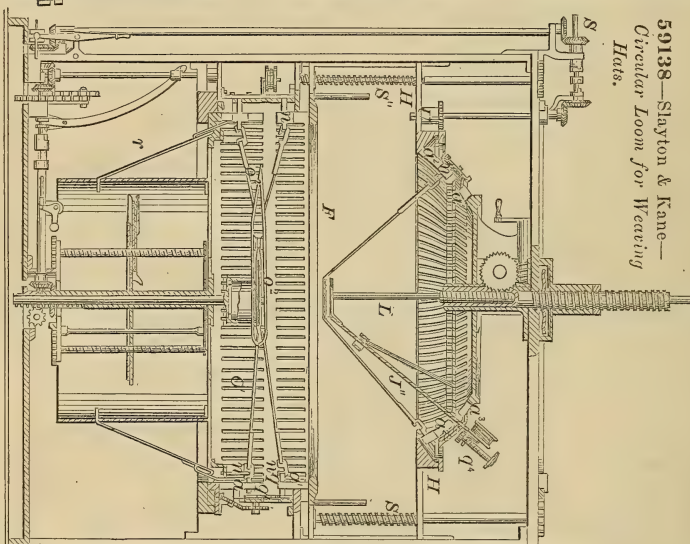


Fig. 9

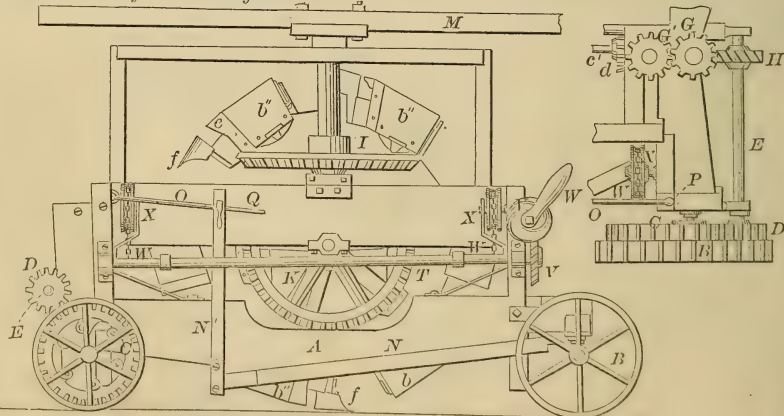
Fig. 10



59139—S. Rogers—Horse Hay Fork.

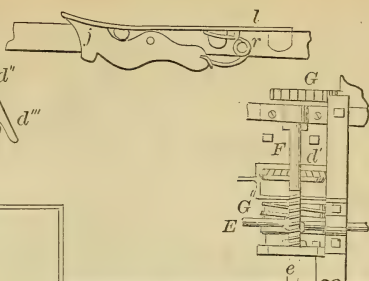
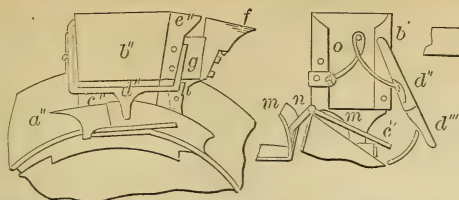
59138—Slayton & Kane—  
Circular Loom for Weaving  
Hats.

59140—D. Sawyer—Ditching Machine.

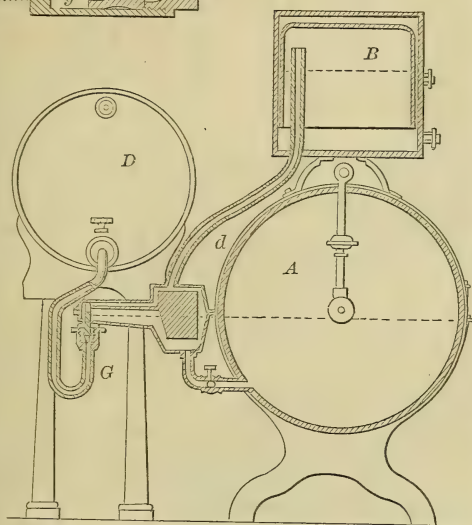




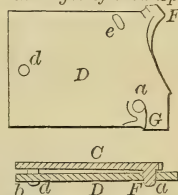
59140—Continued.



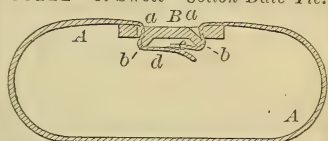
59142 -E. M. Smith—*Feeder for Carburettors.*



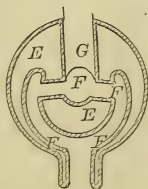
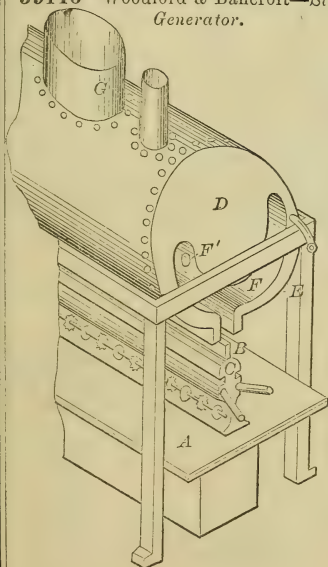
59145—N. B. White—*For Forming  
the Eyes of Bed Springs.*



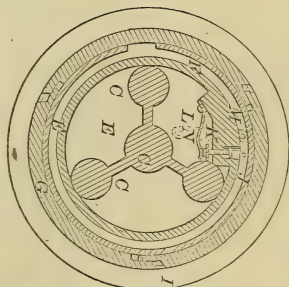
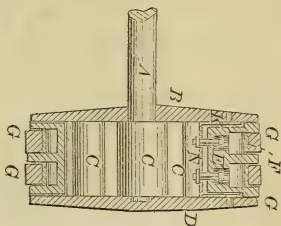
59144—C. Swett—*Cotton Bale Tie.*



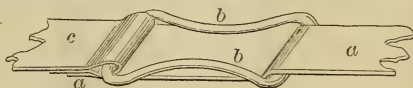
59146—Woodford & Bancroft—*Steam Generator.*



59143—Snook & Patchell—Piston Packing.

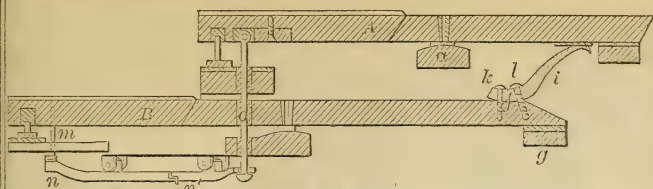


59141—G. A. Seaver—*Cotton Bale Tie.*

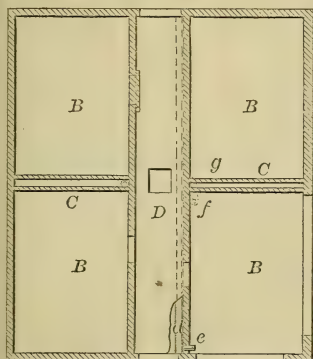




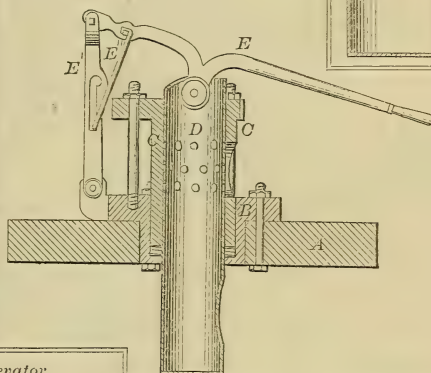
59155—C. L. & A. B. Irving—*Piano Forte Action.*



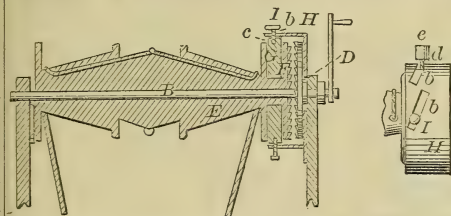
59156—C. Alden—*For Extinguishing Fires.*



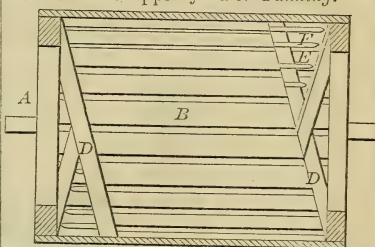
59161—M. F. Bagley—*For Discharging Bilge Water from the Holds of Vessels.*



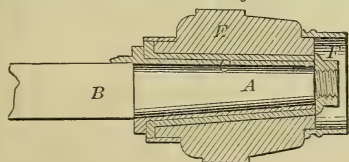
59160—W. E. Babcock—*Water Elevator.*



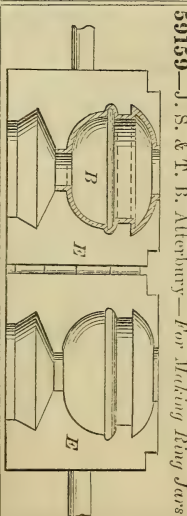
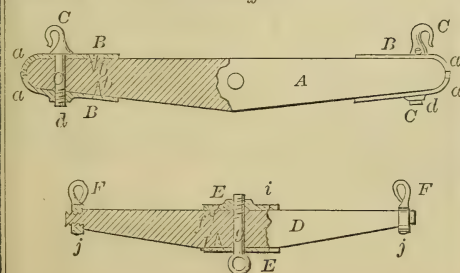
59157—A. Appleby—*For Tanning.*



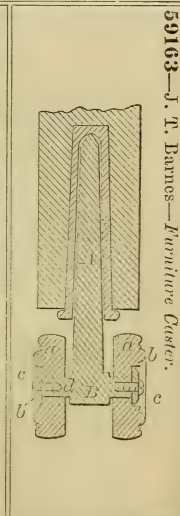
59162—S. Barker—*Carriage Axle.*



59164—L. Barnes—*Whiffletree.*

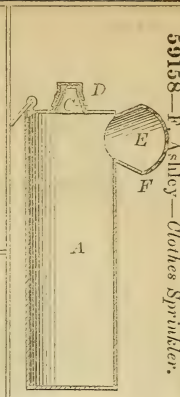


59159—J. S. & T. B. Attenbury—*For Making Ring Joints.*

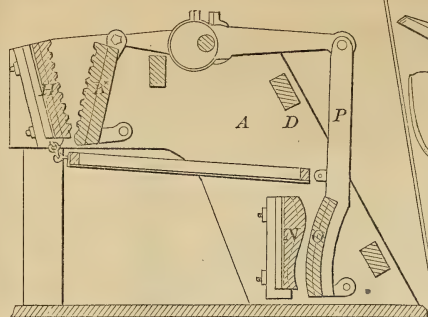
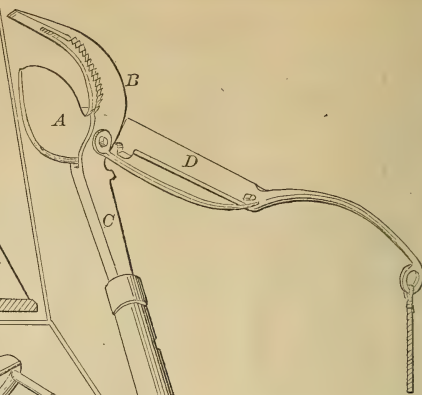
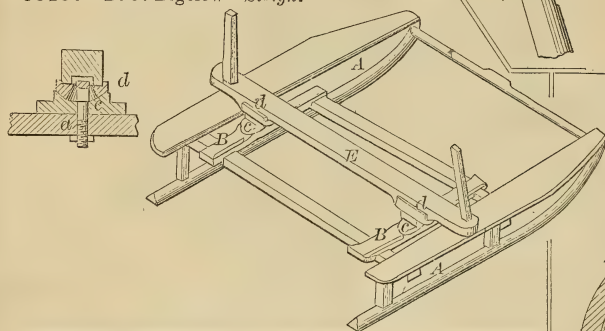
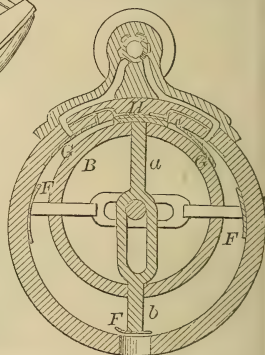
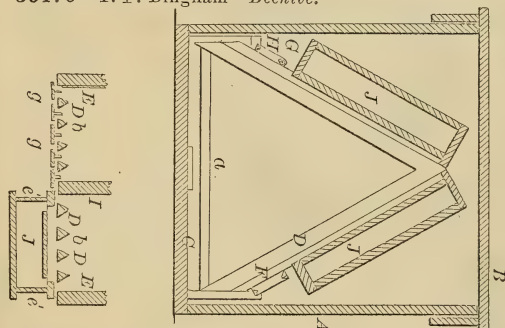
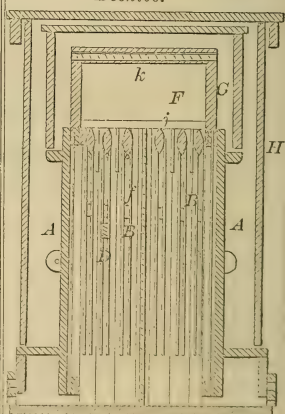
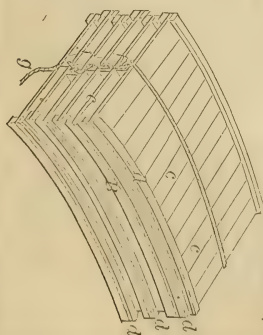
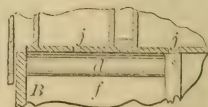
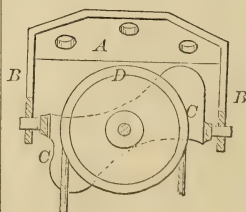


59163—J. T. Barnes—*Furniture Caster.*

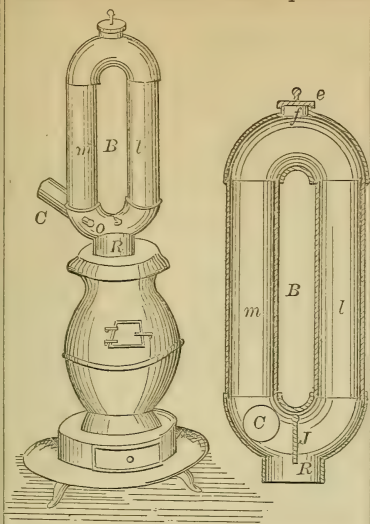
59158—F. Ashley—*Clothes Sprinkler.*



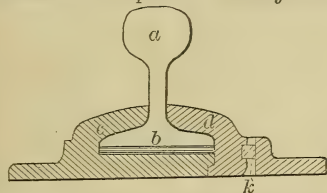


59165—M. L. Battell—*Quartz Crusher.*59168—F. Binder—*Pruning Shears.*59167—D. J. Bigelow—*Sleigh.*59166—J. B. Bennett—*Rotary Steam Engine.*59170—T. F. Bingham—*Beehive.*59169—T. F. Bingham—*Beehive.*59171—A. A. Bissell—*Canal Boat Deck.*59172—A. S. Blake—*Pulley.*

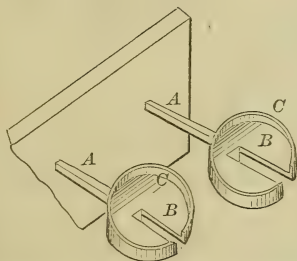
59173—E. S. Blake—Store Pipe Drum.



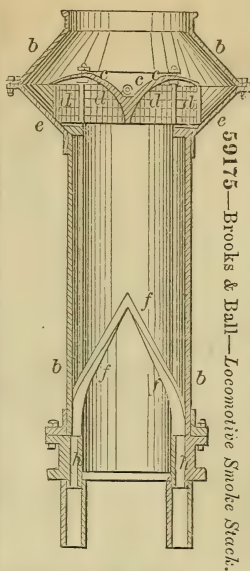
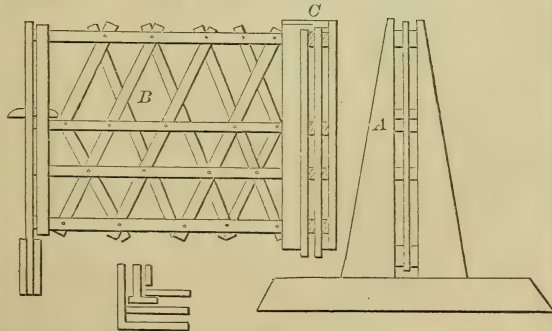
59180—H. Carpenter—Railway Chair.



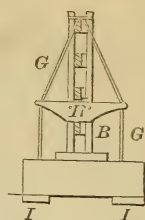
59181—A. L. Carrier—Tool Supporter.



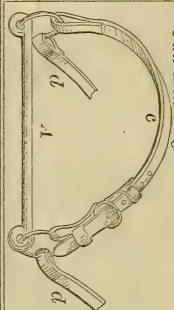
59185—F. C. Class—Portable Fence.



59175—Brooks & Ball—Locomotive Smoke Stack.

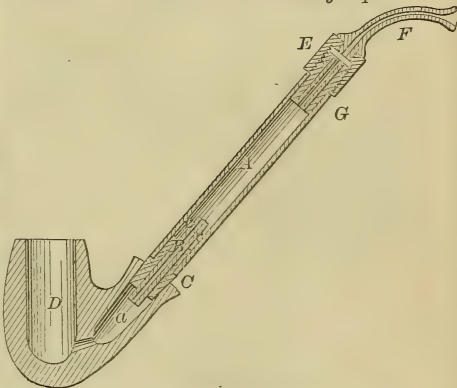


59176—J. Bundy—Fence.

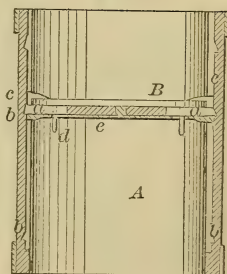


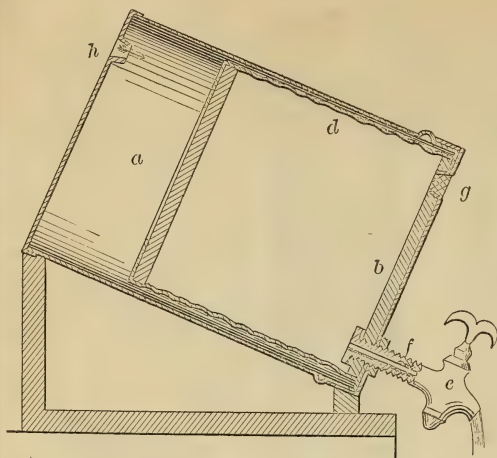
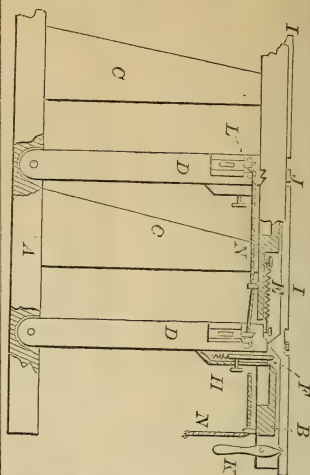
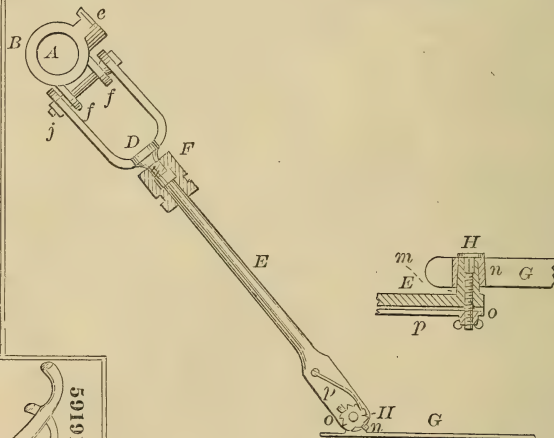
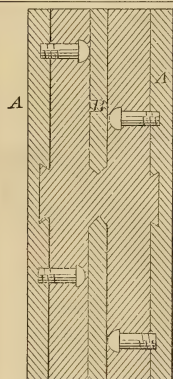
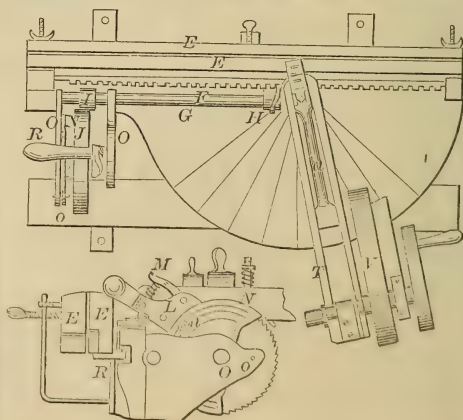
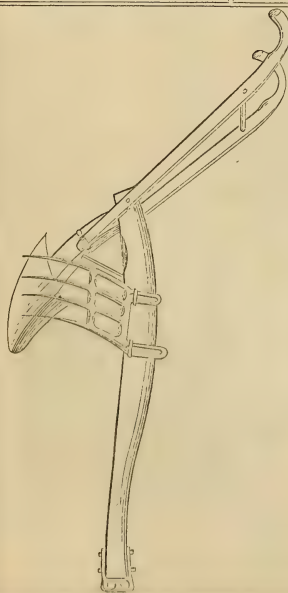
59178—F. B. Carleton—Upper Jaw Bit.

59184—G. H. Chinnoek—Smoking Pipe.



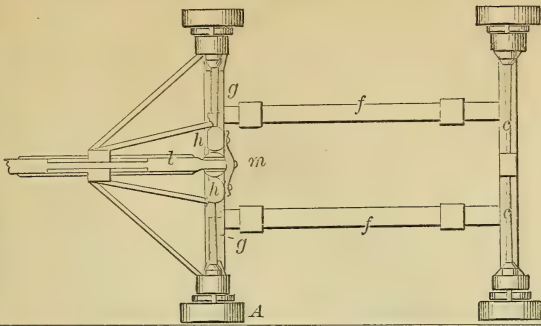
59186—L. Coates—Variable Measure.



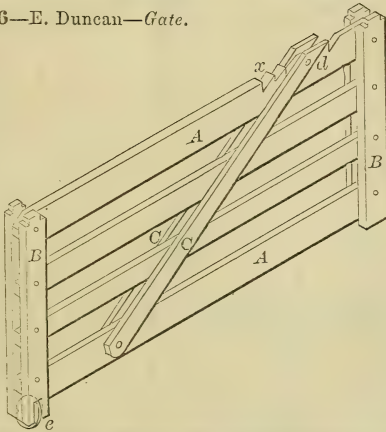
59188—W. Compton—*Vessel for Beer, &c.*59190—J. B. Crowell—*Cattle Stanchion.*59192—J. W. Doty—*Pitman for Harvesters, &c.*59189—J. B. Cornell—*Scythe.*59193—J. W. H. Doubler—*Saw Filing Machine.*59191—J. C. Daugherty—*Shovel Plow.*



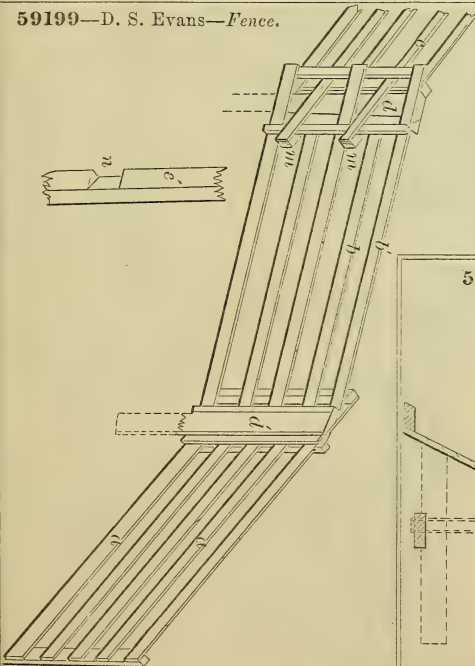
59194—J. W. Drew—Wheel Vehicle.



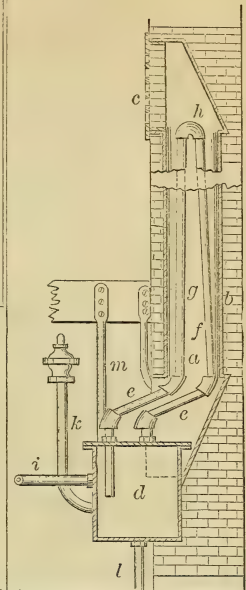
59196—E. Duncan—Gate.



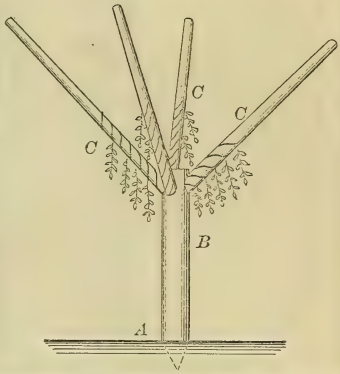
59199—D. S. Evans—Fence.



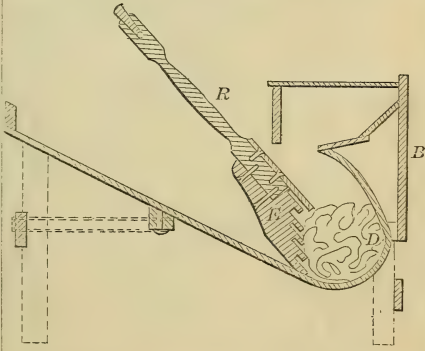
59198—J. Miller, Jr.—Steam Heating Apparatus.



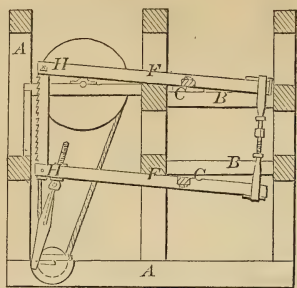
59197—W. C. Dunn—Training Hops.



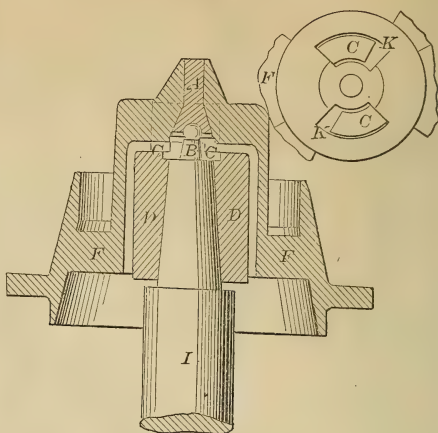
59195—N. Drew—Washing Machine.



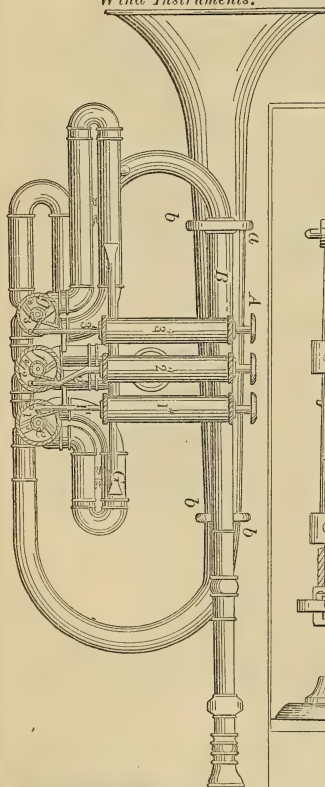
59200—W. W. Ewing—Saw Mill.



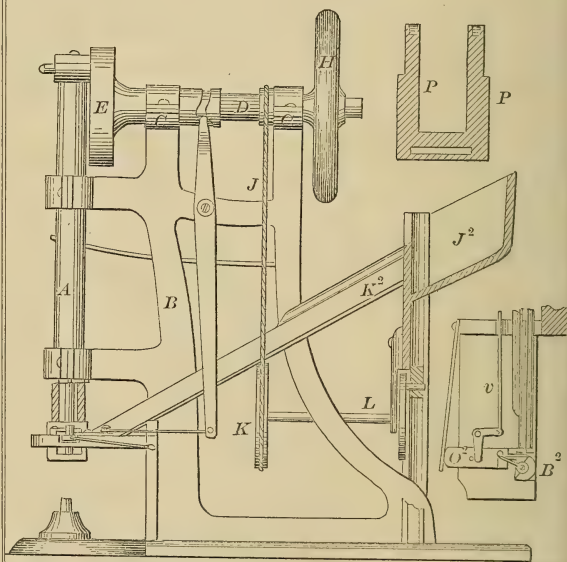
59201—L. Fagin—Hanging Mill Stones.



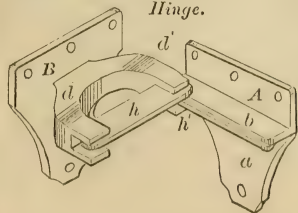
59204—I. Fiske—Cornet and other Wind Instruments.



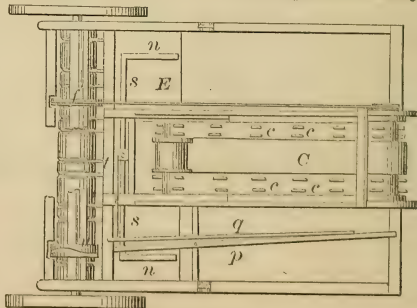
59203—W. H. Field—For Leathering Tacks.



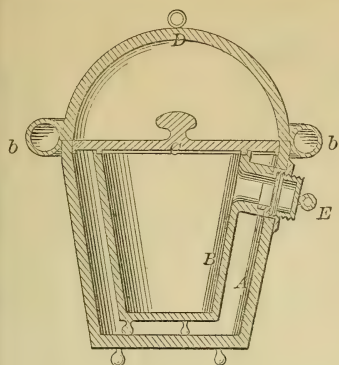
59202—Field &amp; Carruthers—Gate Hinge.



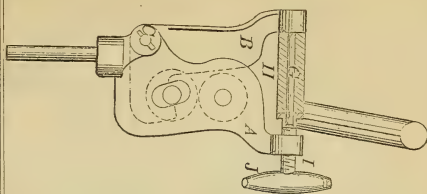
59205—T. Frame—For Raking and Loading Hay.



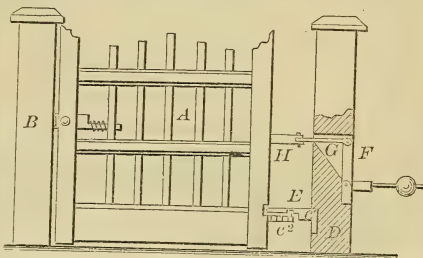
59207—T. T. Furlong—*Safe.*



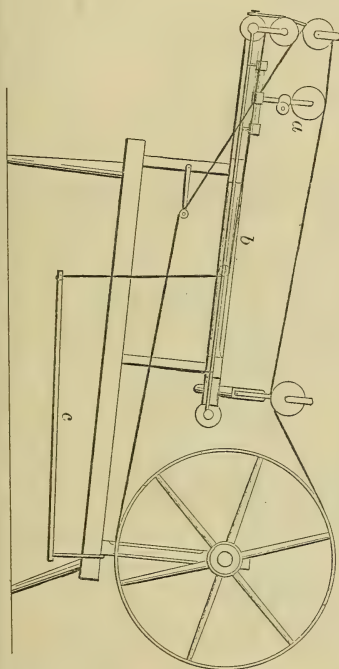
59208—A. C. Gallahue—*Clothes Wringer.*



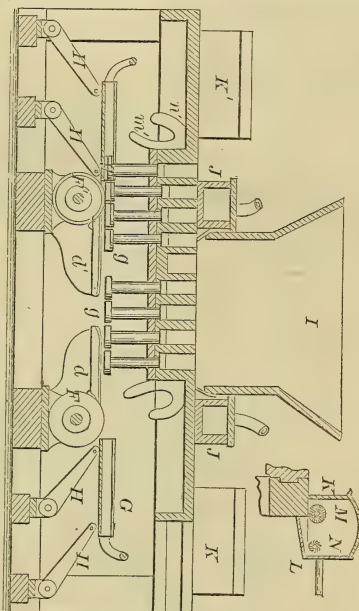
59211—B. Greenside—*Gate Hinge.*



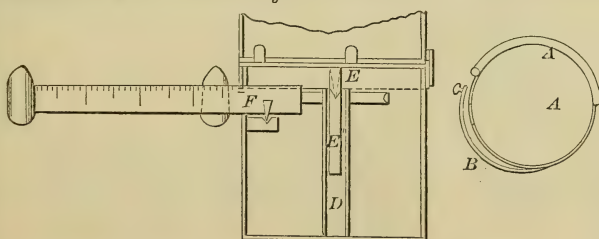
59210—J. Green—*Hand Spinning Wheel.*



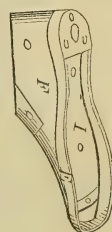
59212—L. Gregg—*Brick Machine.*



59213—H. Haak—*Grain Gauge.*



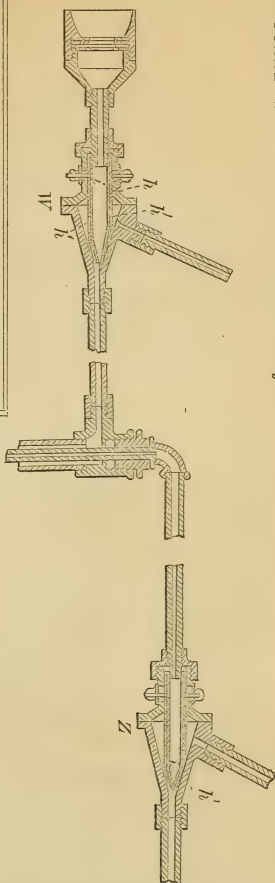
59209—E. T. Green—*Laat.*



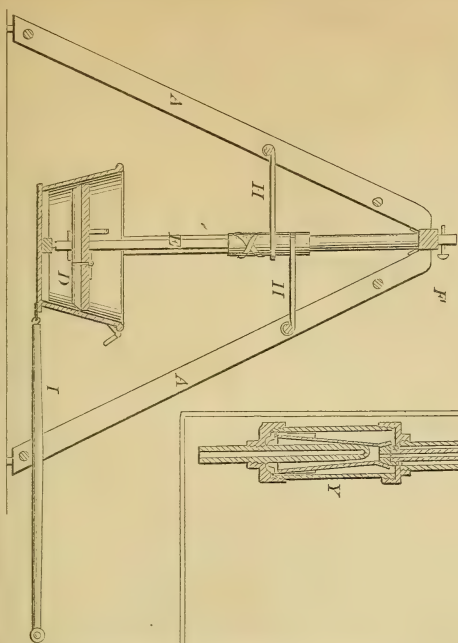




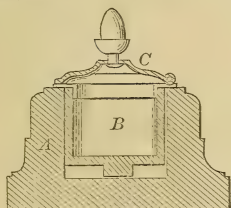
59221—S. E. Howes—Steam and Air Ejector.



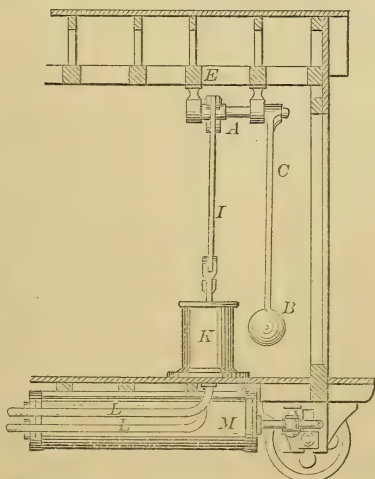
59224—R. Hoover—Washing Machine.



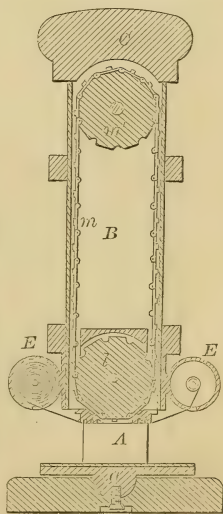
59223—P. K. Holbrook—Ink Cup.



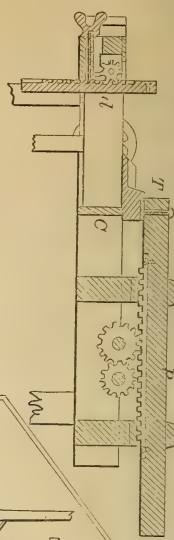
59226—E. S. Hutchinson—Automatic Blast for Carburetors in Railroad Cars, &c.



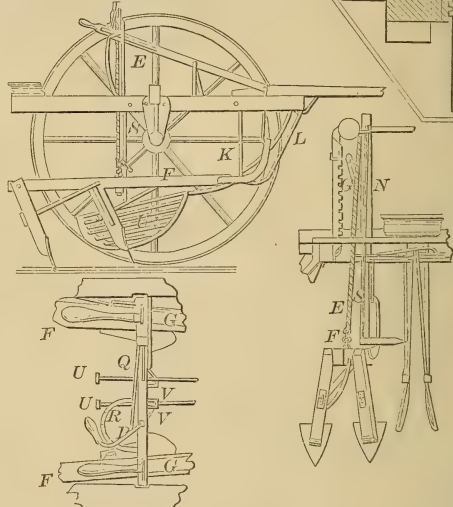
59225—T. S. Hudson—Counceling Apparatus.



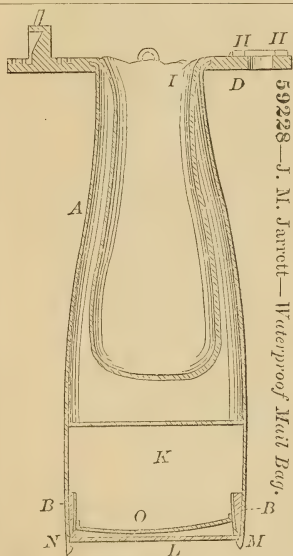
59229—L. Jones—For Cutting the Proofs of Books.



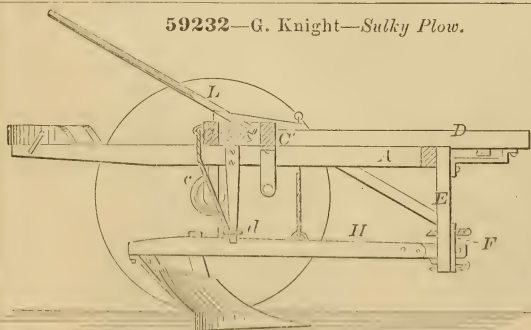
59231—W. Kiddoo—Cultivator.



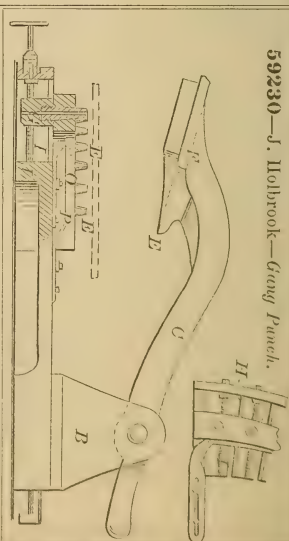
59228—J. M. Jarrett—Waterproof Mail Bag.



59232—G. Knight—Sulky Plow.



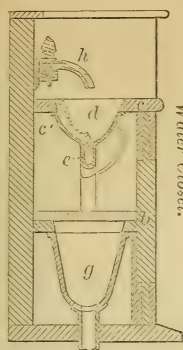
59230—J. Hobbrough—Grong Punch.



59227—Isaacson &amp; Cohn—Victorine, Cape and Giff.

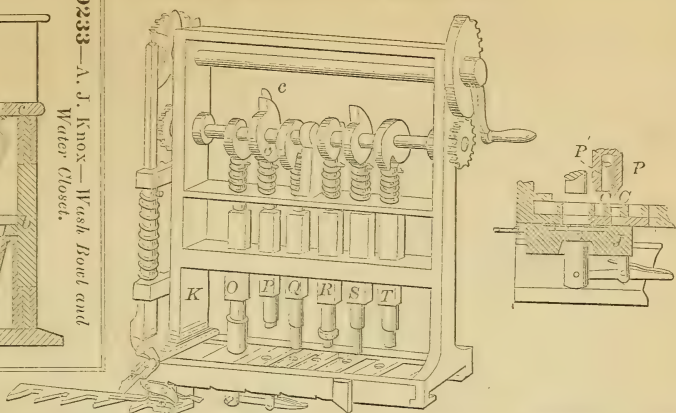




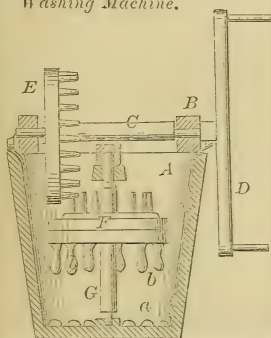


59233—A. J. Knox—Wash Bowl and Water Closet.

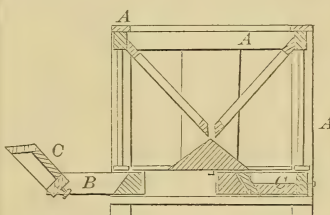
59234—W. Kraemer—For Making Buttons.



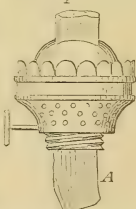
59235—D. Kunkel—Washing Machine.



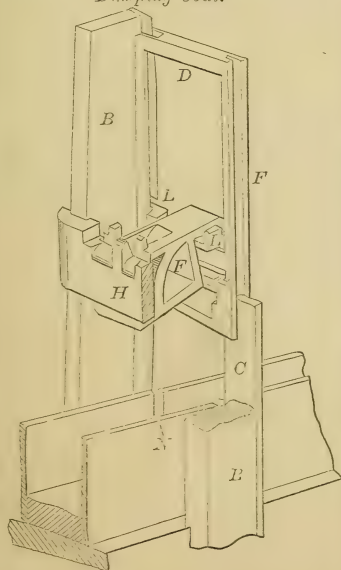
59236—H. H. Ladd—Sheep Rack.



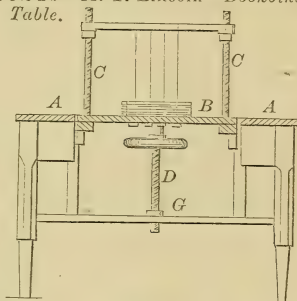
59237  
C. W. Le Count—Lamp Wick



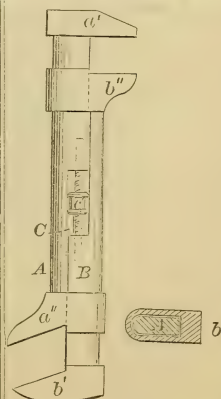
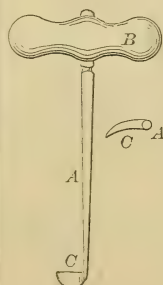
59243—G. Martz—For Hoisting and Dumping Coal.



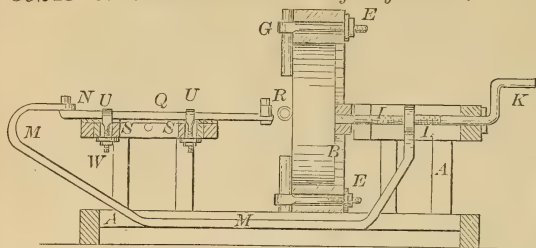
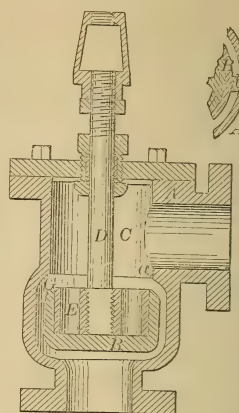
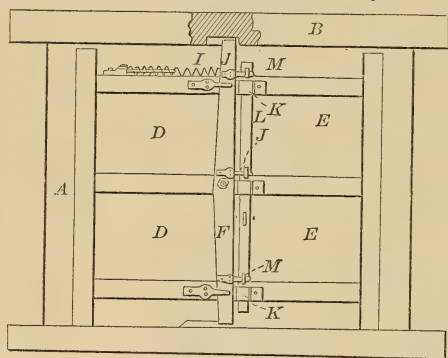
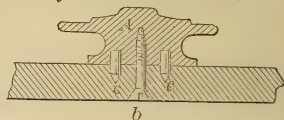
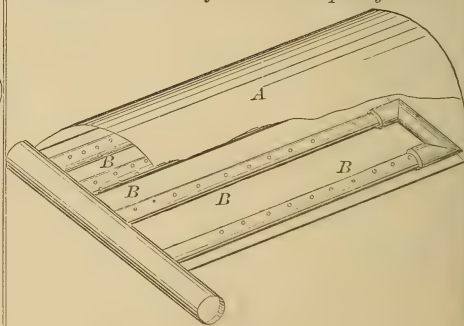
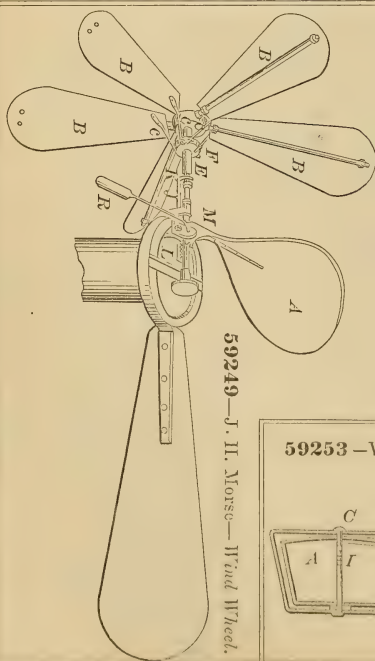
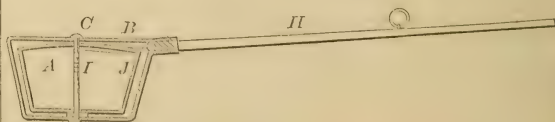
59240—M. T. Lincoln—Bookbinder's Sewing Table.



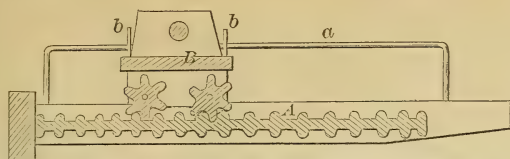
59241—C. Löffler—Cork Pull.



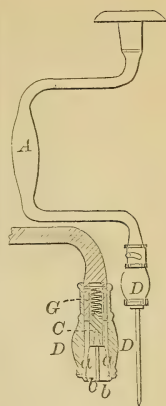
59242—J. J. Love—Double Headed Wrench.

59244—J. R. McAlister—*Sleigh Brake.*59245—J. R. McAlister—*For Boring Wagon Hubs.*59248—D. N. Minor—*Barn Door Fastening.*59252—W. Nichols—*Steam Piston Valve.*59250—L. B. Myers—*Fastening for Furniture Knobs.*59246—J. McGeary—*For Decomposing Steam.*59253—W. W. S. Orbeton—*Corn Popper.*59249—J. H. Morse—*Wind Wheel.*

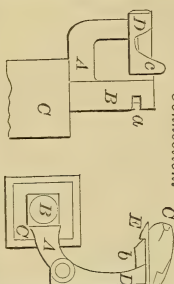
59257—S. Peck—Wash Board Rubber Attachment.



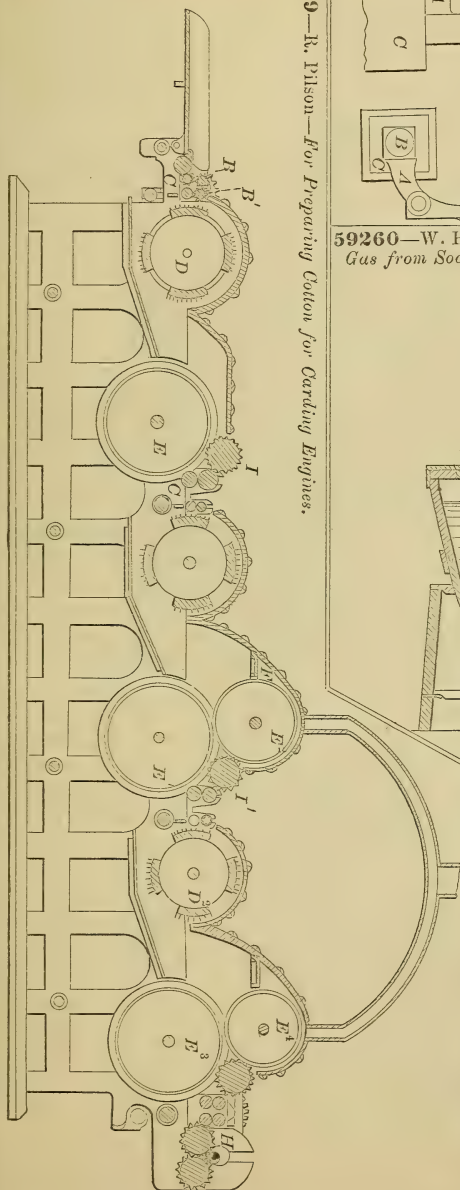
59254—W. W. S. Orbeton—Bit Stock.



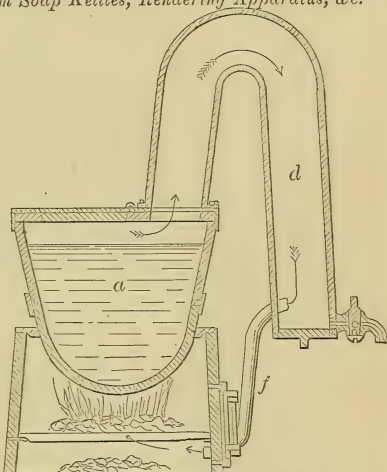
59258—J. E. Peirce—Truss Connection.



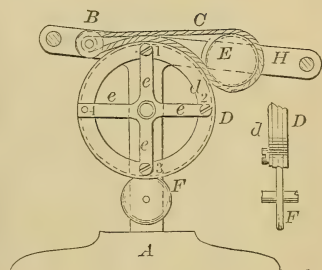
59259—R. Wilson—For Preparing Cotton for Carding Engines.



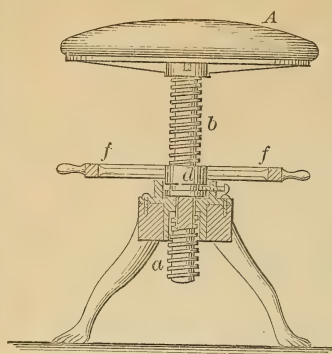
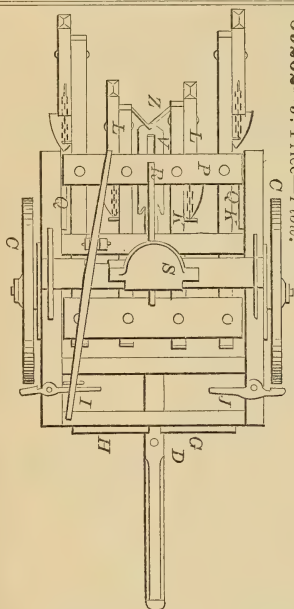
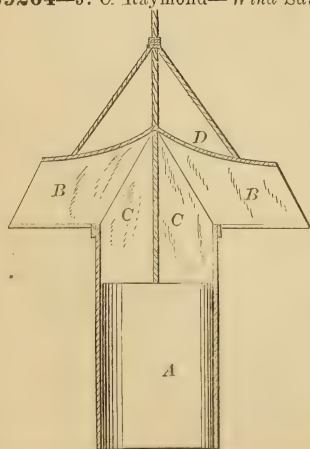
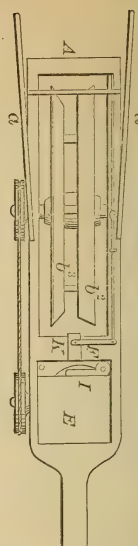
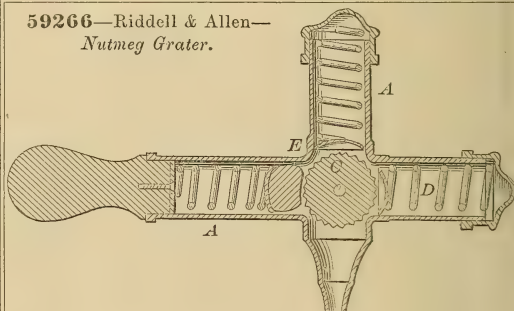
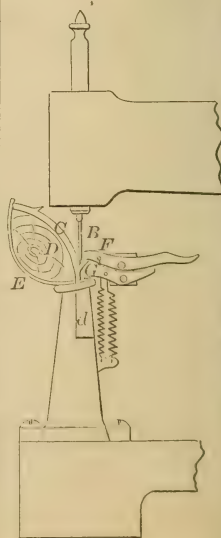
59260—W. H. Pinner—For Preventing the Escape of Gas from Soap Kettles, Rendering Apparatus, &c.



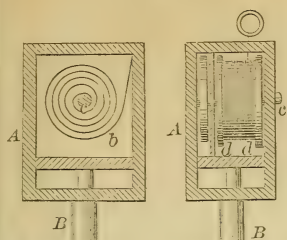
59256—R. W. Parker—Pulley.



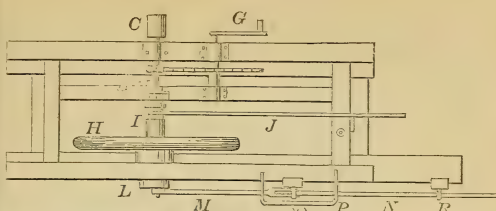


59261—L. Postawka—*Piano Seat.*59262—J. Price—*Plow.*59264—J. C. Raymond—*Wind Sail.*59263—T. D. Price—*Seed Drill.*59266—Riddell & Allen—*Nutmeg Grater.*59267—L. P. Rider—*Plow Mould Board.*59265—E. P. Richardson—*Sowing Machine.*

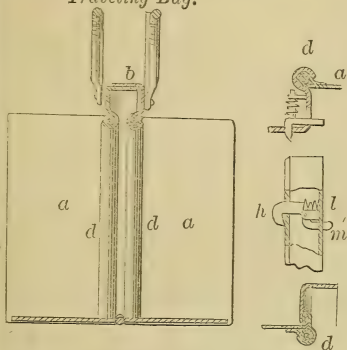
**59268**—J. H. Rose—*Chalk Line Winder.*



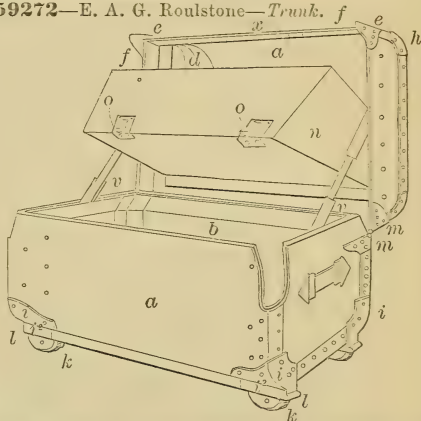
**59275**—C. W. Sappenfield—*Sawing Machine.*



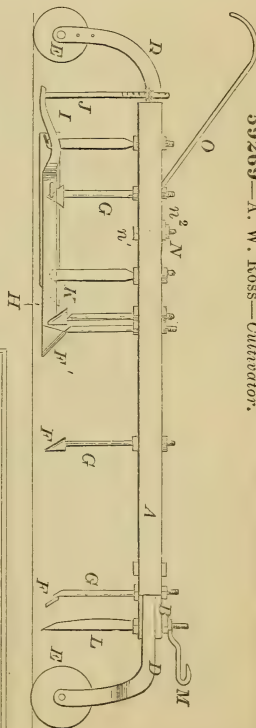
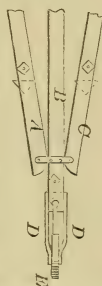
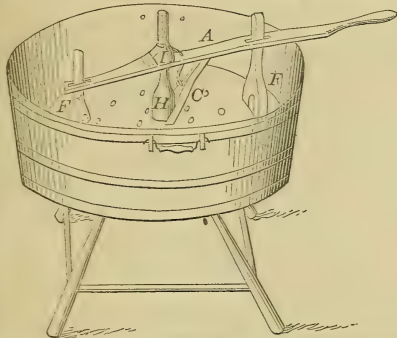
**59271**—E. A. G. Roulstone—*Traveling Bag.*



**59272**—E. A. G. Roulstone—*Trunk.*

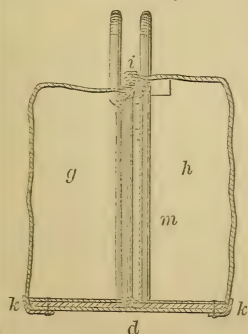


**59274**—X. M. Sanford—*Washing Machine.*

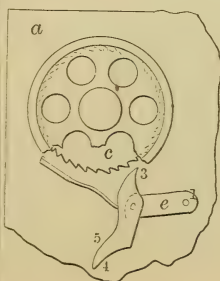


**59269**—A. W. Ross—*Cultivator.*

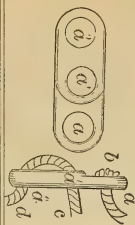
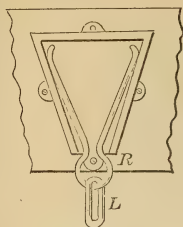
**59270**—E. A. G. Roulstone—*Carpet Bag.*



**59273**—L. D. Rundell—*Car Brake.*

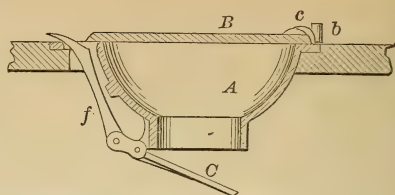


**59276**—C. H. Sawyer—*Hitching Device.*

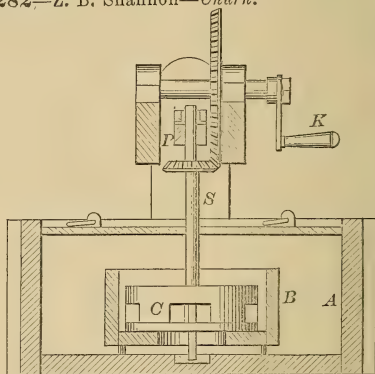


**59277**—C. H. Sawyer—*Halter.*

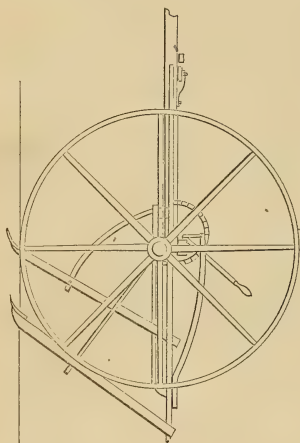
**59280**—J. H. Seymour—*Railroad Car Spittoon.*



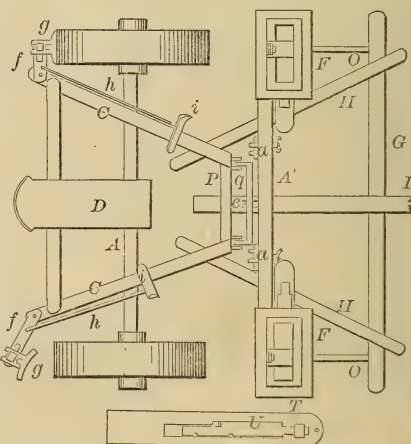
**59282**—Z. B. Shannon—*Churn.*



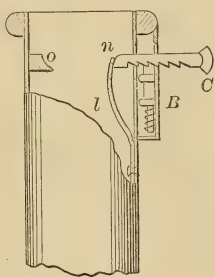
**59279**—Segger & Ormiston—*Cultivator.*



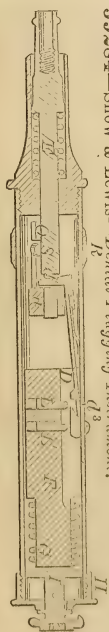
**59283**—J. D. Smith—*Seeding Machine.*



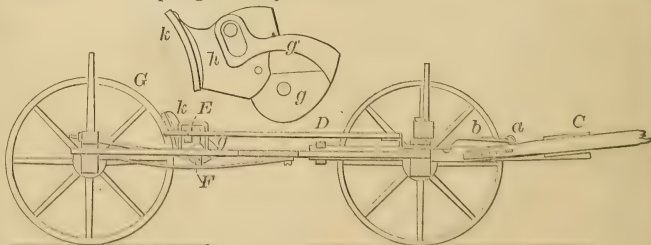
**59278**—H. Sayler—*Whip Socket.*



**59284**—Snow & Lewis—*Dental Plugging Instrument.*

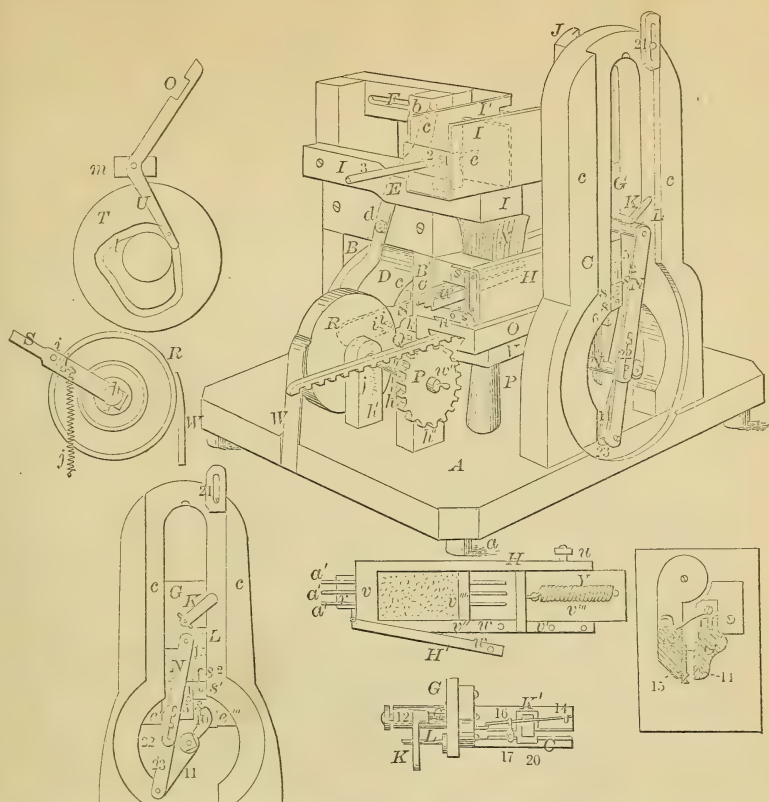


**59285**—T. G. Springer—*Wagon Brake.*

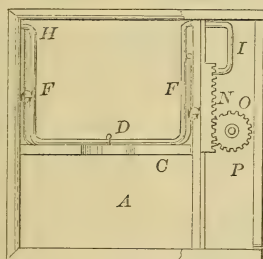




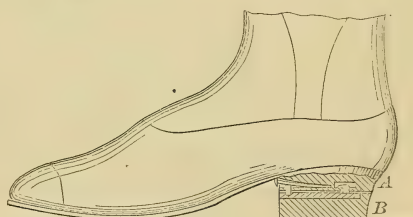
59286—N. H. Spafford—For Assorting Bristles.



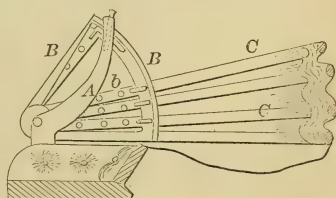
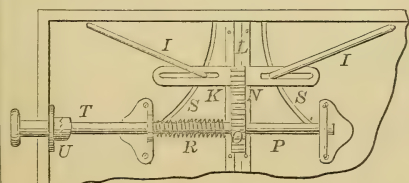
59287—Sterrett & Farrell—  
Letter Box File.



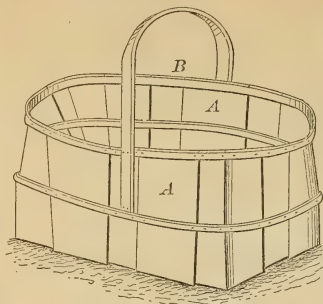
59288—O. Stoddard—Boots and Shoes.



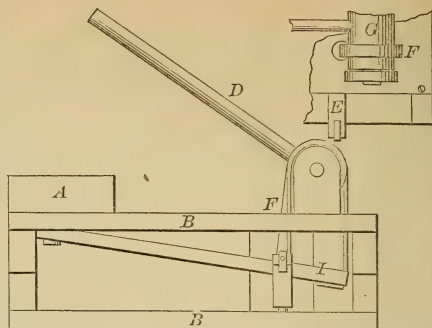
59289—G. Stover—For Raising and  
Lowering Carriage Tops.



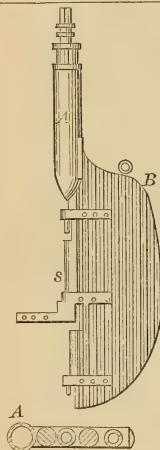
**59290**—M. L. & O. A. Stray—  
*Fruit Basket.*



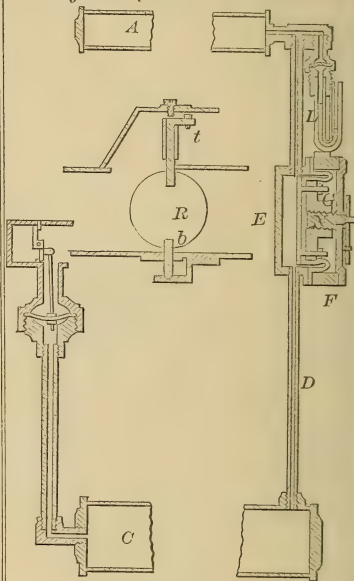
**59291**—E. D. Street—*Threshing Machine.*



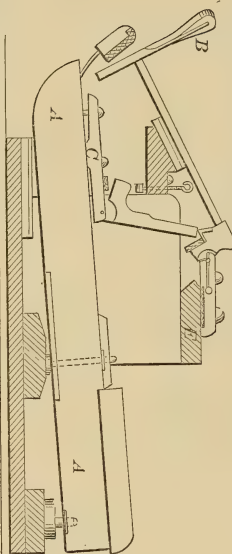
**59296**—M. Wappich—*Rudder.*



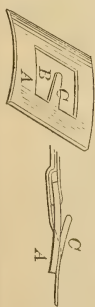
**59294**—A. H. Tingley—*Heat  
Regulator for Hot Air Furnaces.*



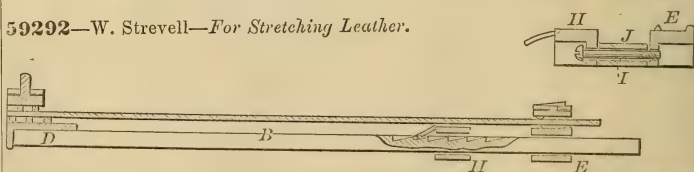
**59295**—W. V. Wallace—*Piano Forte Action.*



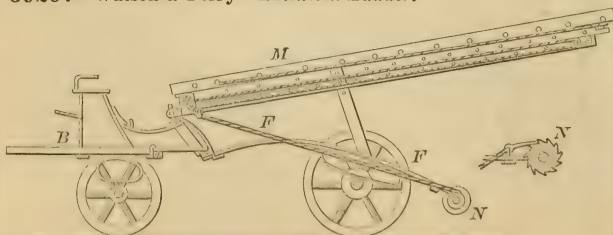
**59293**—M. A. Tangleton—*Cotton Tie.*



**59292**—W. Strevell—*For Stretching Leather.*



**59297**—Watson & Perry—*Extension Ladder.*

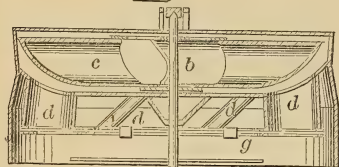
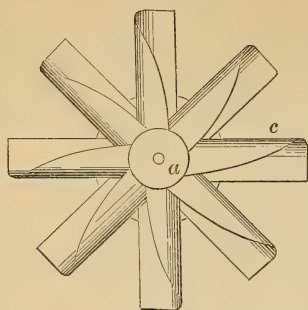
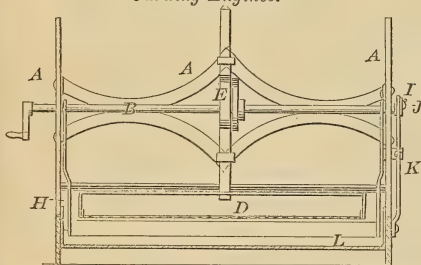
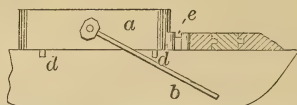
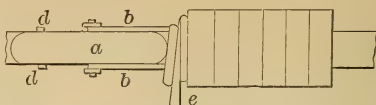
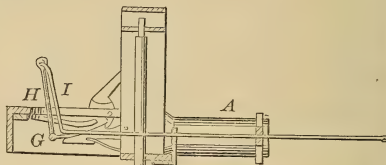
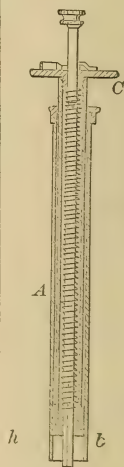
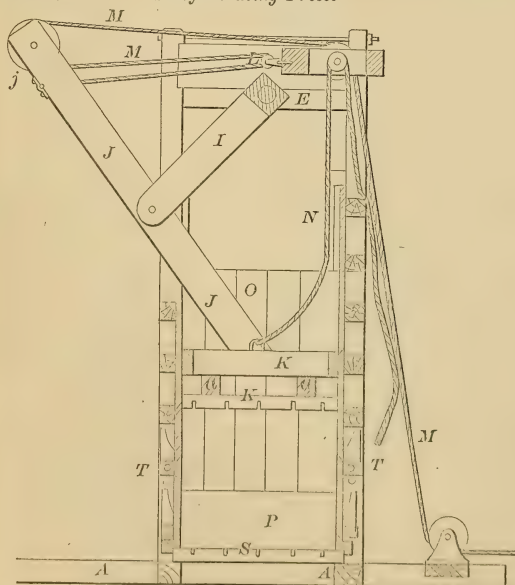
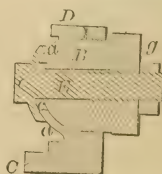


**59298**—W. Weaver—*Carpet Fastener.*

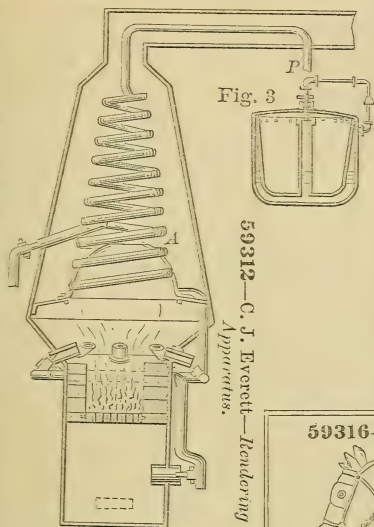
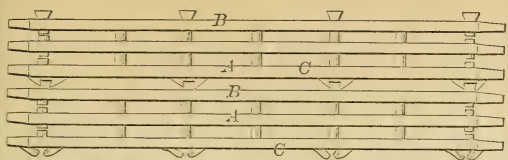






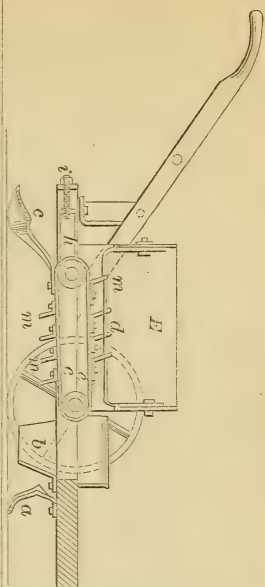
59304—J. M. Williams—*Water Wheel.*59308—J. H. Aiken—*For Oiling Wool for Carding Engines.*59305—J. D. Winslow—*Floor Clamp.*59307—H. Yerty—*Burglar Alarm.*59306—F. Wolf—*Artificial Leech.*59309—H. A. Ashley—*Baling Press.*59310—M. L. Ballard—*Pitman Connection.*

59311—Clarke & Wagenen—Grate Bar.



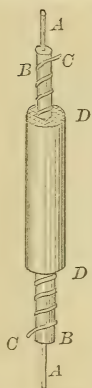
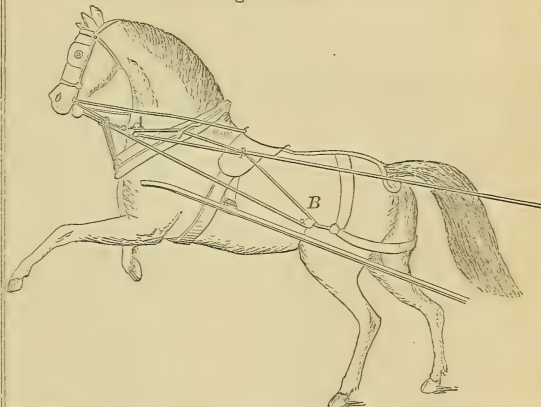
59312—C. J. Everett—Rendering Apparatus.

59313—G. W. Hill—Spraying Bat.



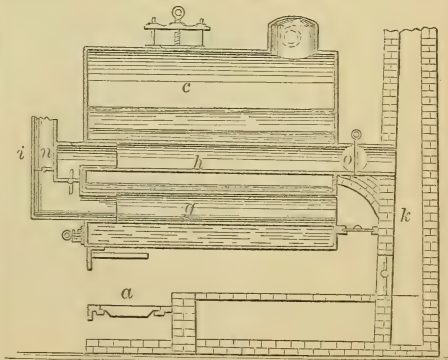
59314—W. A. Horrell—Cotton Seed Planter.

59316—A. D. Kendig—Harness.

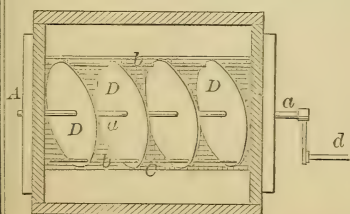


59318—J. N. Phelps—Telegraph Cable.

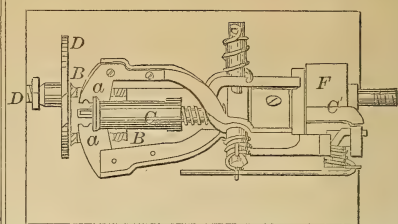
59317—A. Lapham—Petroleum Still.



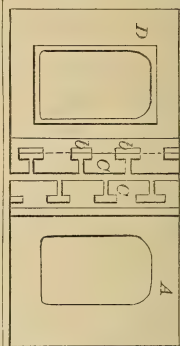
59315—B. Illingworth—Flour Sifter.



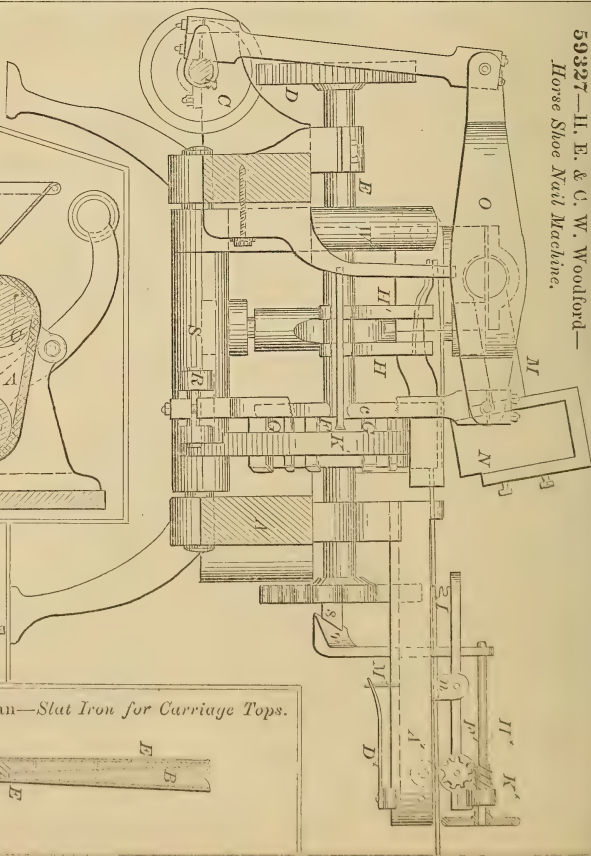
59321—J. W. Tompson—Cherry Stoner.



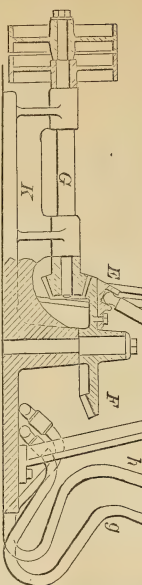
59323—R. Van Velthoven—Album.



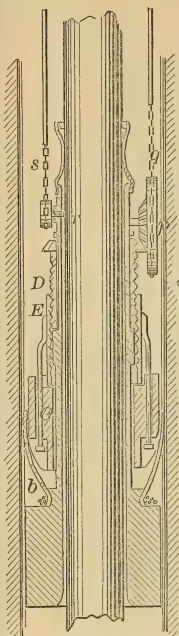
59327—H. E. &amp; C. W. Woodford—Horse Shoe Nail Machine.



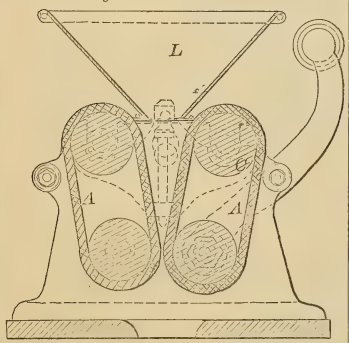
59325—H. Wathew—Confection Pan.



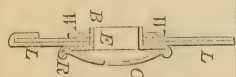
59319—O. Redmond—Oil Well Packing.



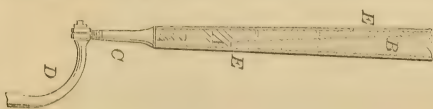
59324—H. Wathew—For Peeling Almonds.



59320—J. Starkey—Curtain Eyelet.

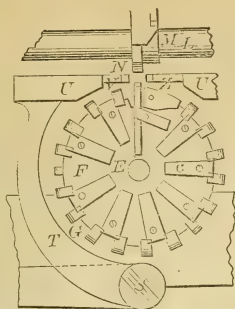


59322—G. W. Traphagan—Slat Iron for Carriage Tops.

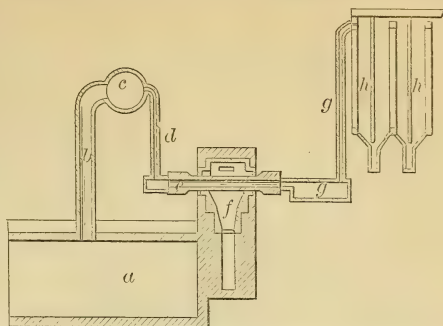




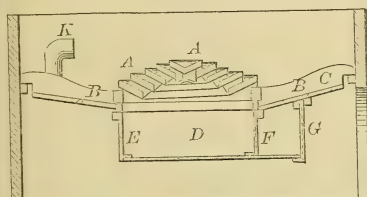
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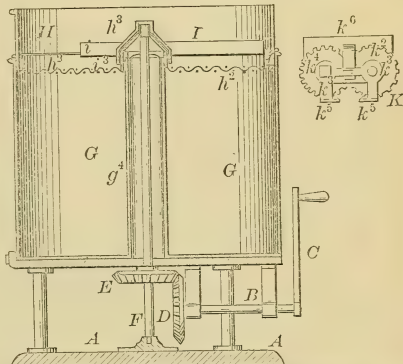
59328—L. A. C. St. Paul—Manufacture of Sulphur.



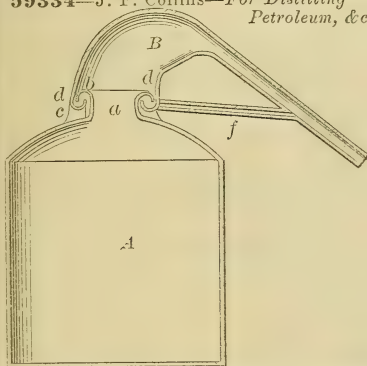
59329—R. Eaton—Locomotive Fire Grate.



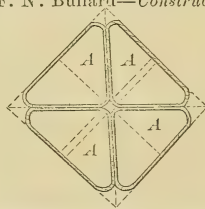
59335—E. A. Adams—Flour Sifter, Mixer, and Kneader.



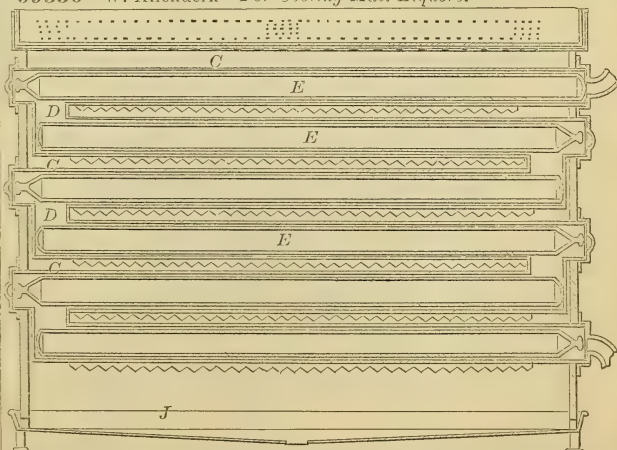
59334—J. F. Collins—For Distilling Petroleum, &c.



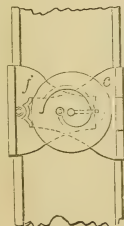
59333—F. N. Bullard—Construction of Glass Bottles.

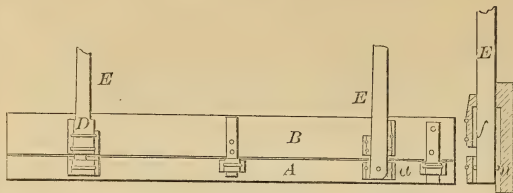
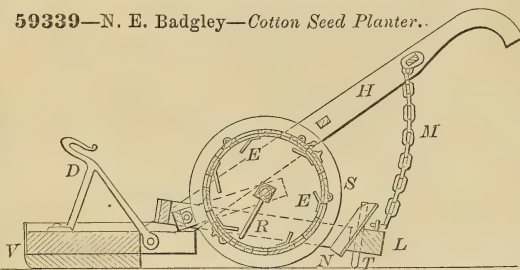
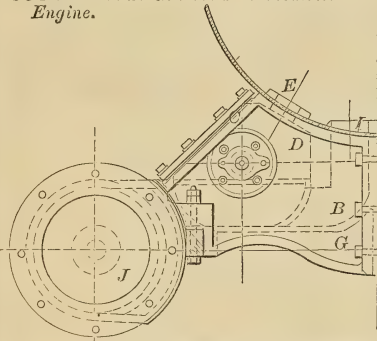
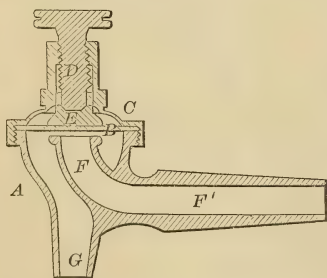
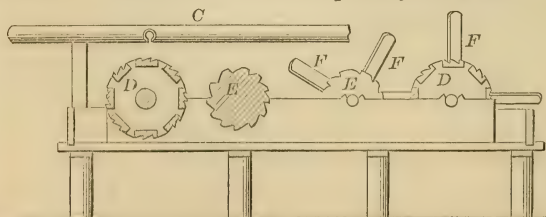
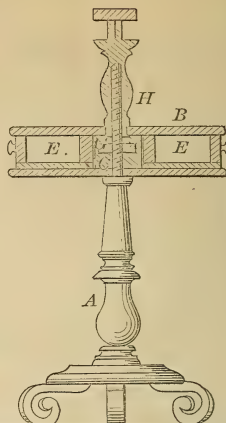
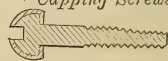
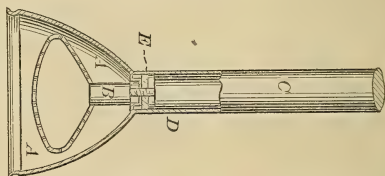
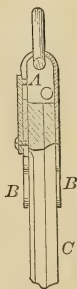
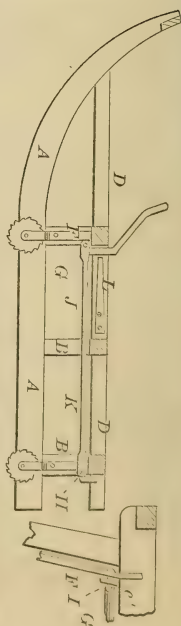


59336—W. Allenderff—For Cooling Malt Liquors.

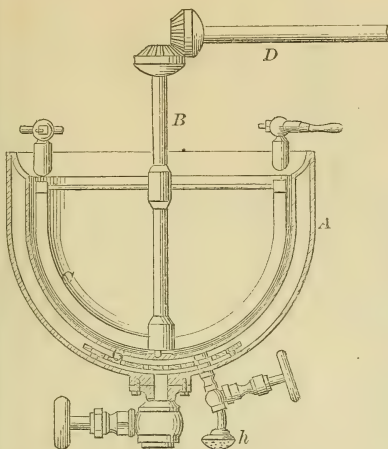


59332—White & Chamberlain—Clasp for Belting, &c.

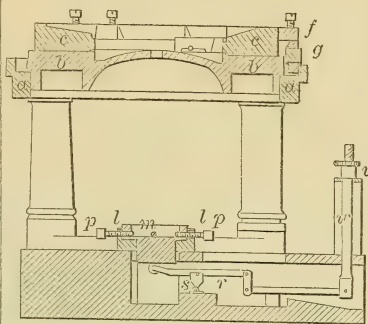


59337—W. T. Altfather—*Car Truck Standard.*59339—N. E. Badgley—*Cotton Seed Planter.*59340—W. S. G. Baker—*Locomotive Engine.*59346—W. Blake—*Diaphragm Faucet.*59349—J. F. Boynton—*Vat for Evaporating Salt Water.*59341—P. Barrett—*Revolving Table.*59344—J. W. Bishop—*Capping Screws.*59343—E. M. Bayne—*Broom Head.*59347—C. Boehmer, Jr.—*Cock Eye.*59345—D. A. T. Black—*Sleigh.*

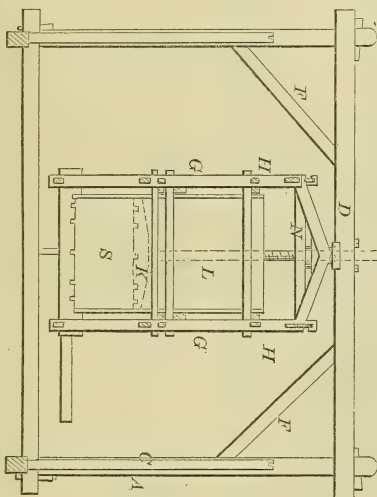
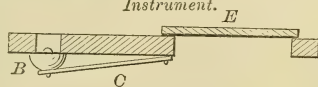
59350—W. Branagan—Lard Boiler.



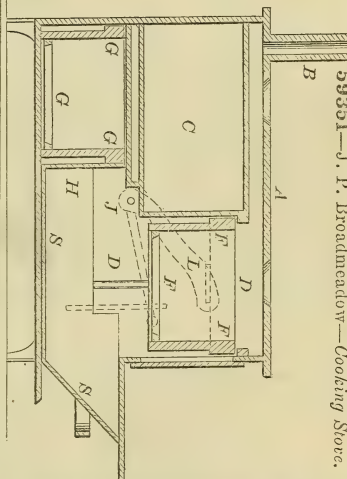
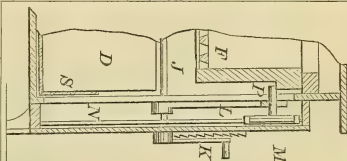
59353—D. H. Brown—Water Wheel.



59354—R. Burdett—Reed Musical Instrument.

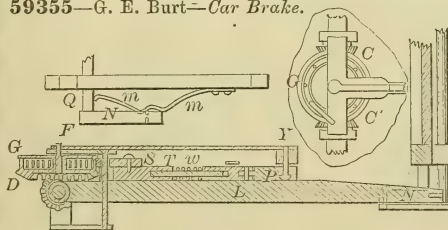


59352—R. M. Brooks—Portable Revolving Screw Press.

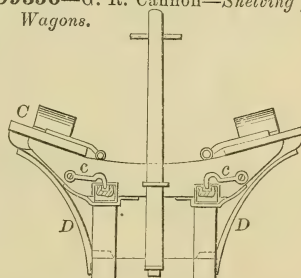


59351—J. P. Broadmeadow—Cooking Stove.

59355—G. E. Burt—Car Brake.



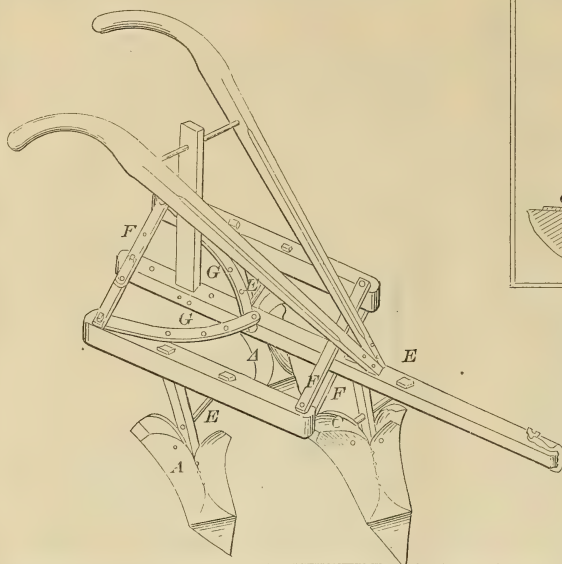
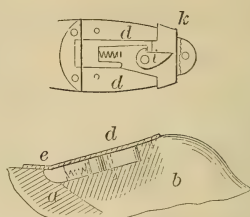
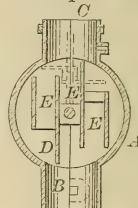
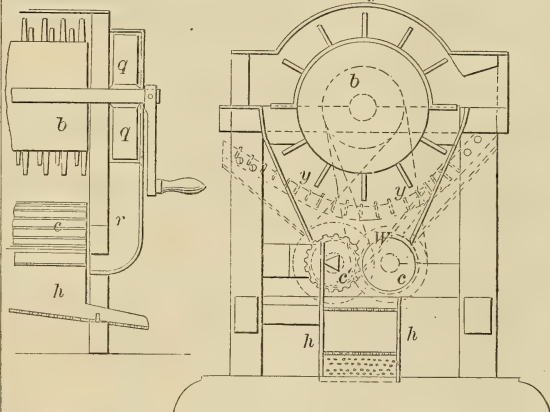
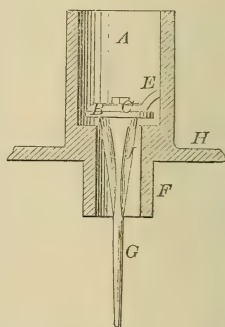
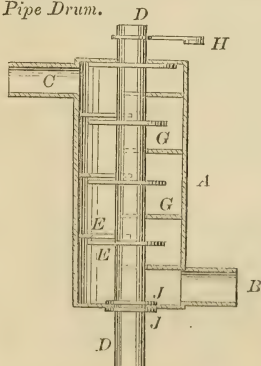
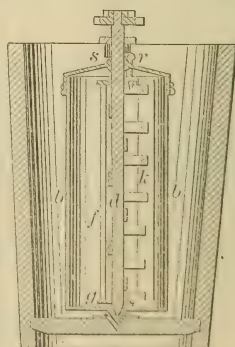
59356—G. E. Cannon—Shelving for Wagons.



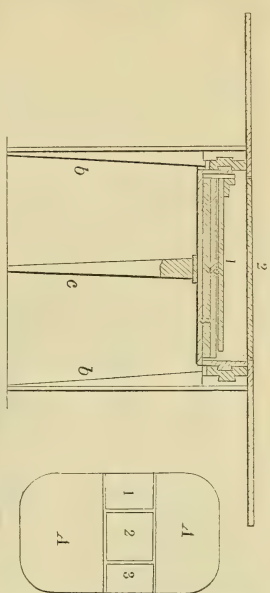
59357—O. F. Case—Water Proof Sole.



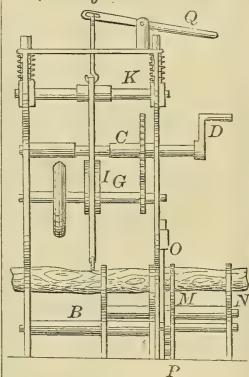


59358—L. J. Caswell—*Cultivator.*59359—P. C. Clapp—*Last.*59362—L. R. Comstock—*Stove Pipe and Damper.*59360—S. A. Clemens—*For Threshing Flax.*59364—Conant & Brown—*Pump.*59363—L. R. Comstock—*Stove Pipe Drum.*59365—R. Corington—*Slutter Hinge.*59366—M. G. Crane—*Ice Cream Freezer.*

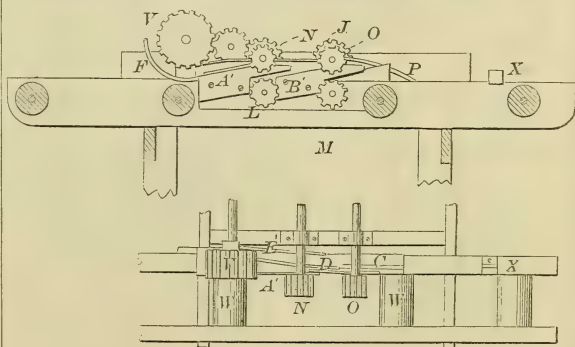
59367—J. B. Curtis—*Extension Table.*



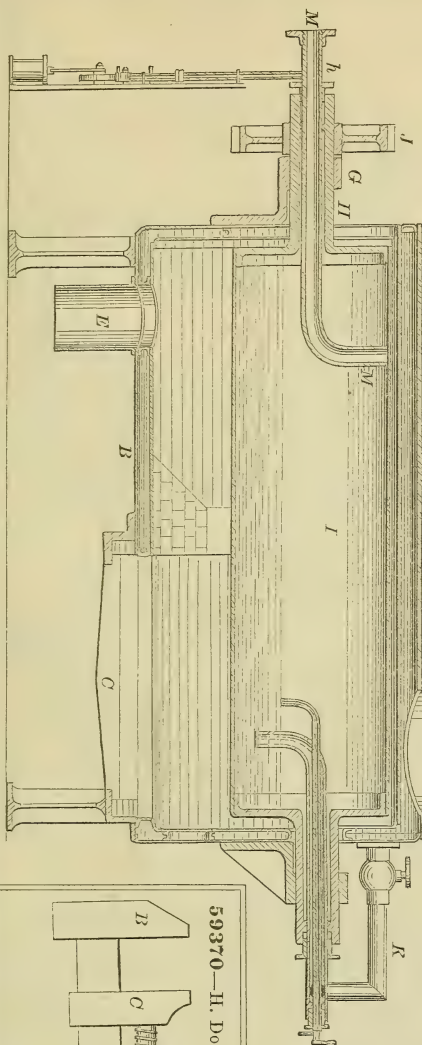
59368—H. A. Daniels—*Sawing Machine.*



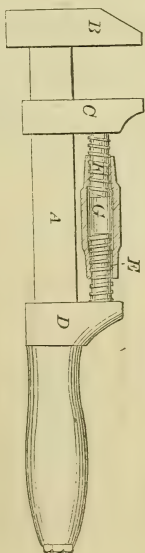
59369—J. Dobbins—*For Bending Wooden Hoops.*



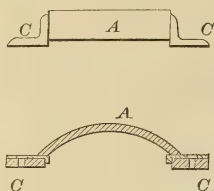
59361—L. H. Colburn—*Steam Generator.*



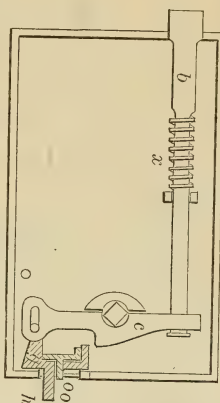
59370—H. Dodge—*Wrench.*



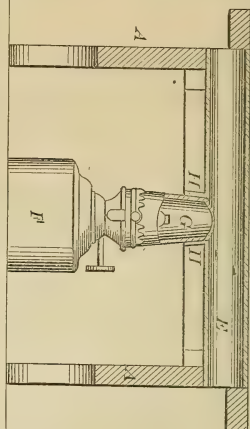
59371—J. E. Earle—  
*Furniture Pad.*



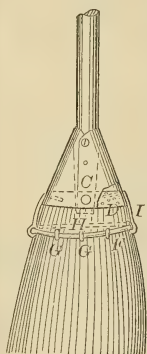
59373—B. Lybe—*Door Latch.*



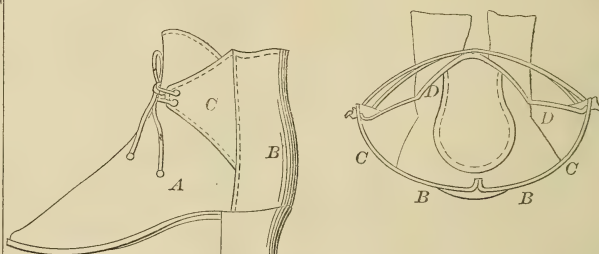
59374—C. R. Everson—*Foot Warmer.*



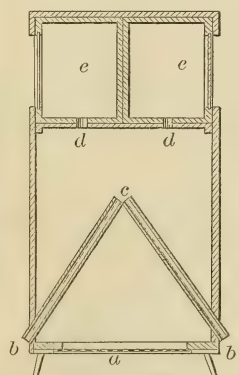
59372—B. F. Early—*Broom Head.*



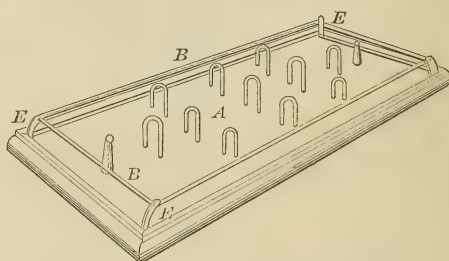
59375—Evory & Heston—*Boots and Shoes.*



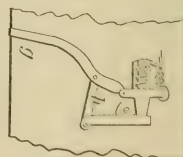
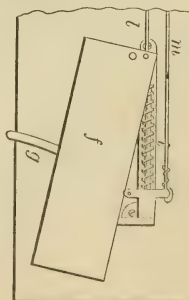
59377—J. E. Finley—*Beehive.*



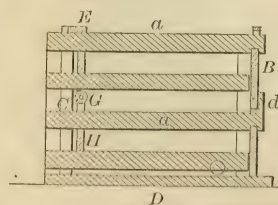
59376—J. Federhen—*Croquet Board.*



59379—A. Fontaine—*Fire Alarm.*

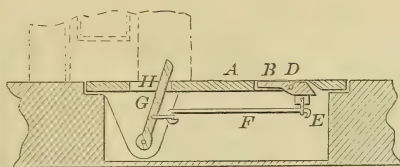


59378—J. E. Fitts—*Gate.*

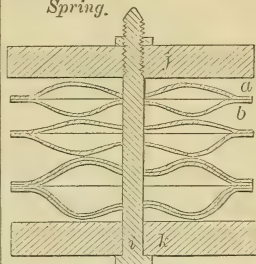




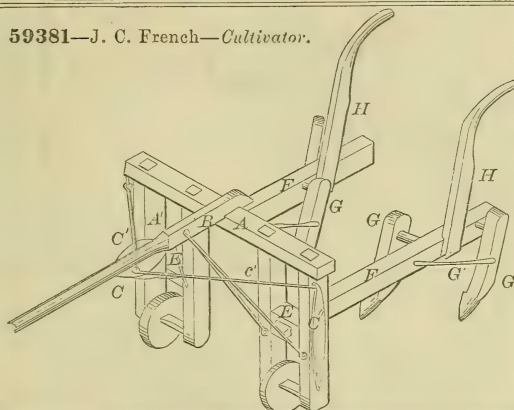
59380—W. H. Fowler—Door Catch.



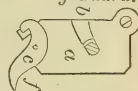
59384—C. Glidden—Car Spring.



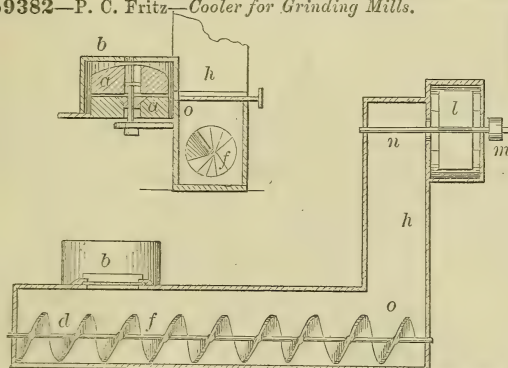
59381—J. C. French—Cultivator.



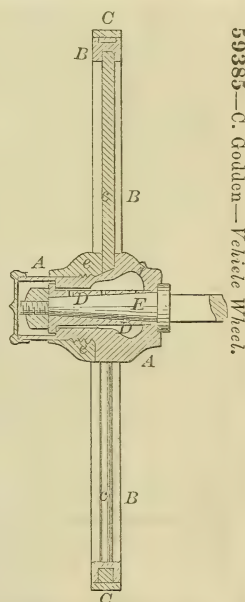
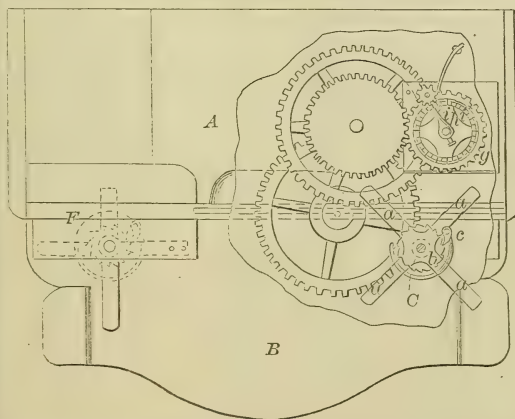
59383—E. P. Furlong—Key Guard.



59382—P. C. Fritz—Cooler for Grinding Mills.

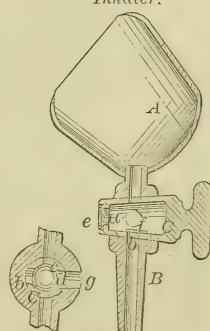


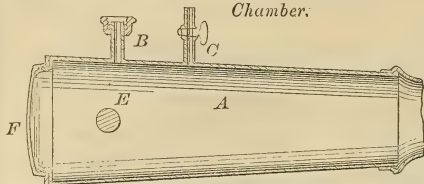
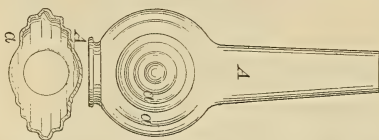
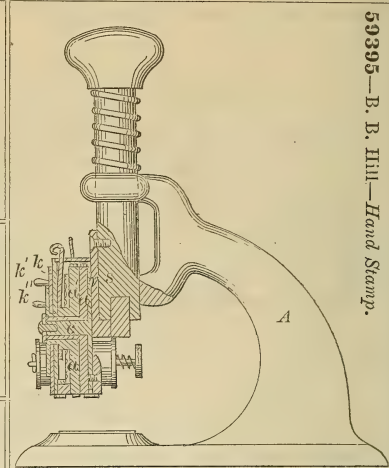
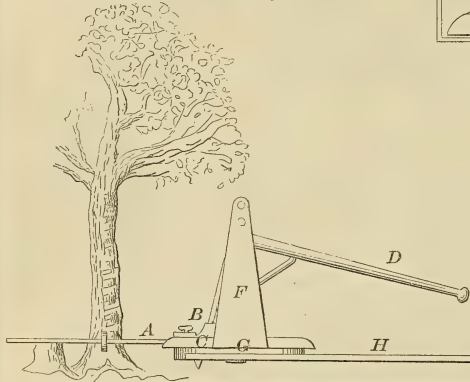
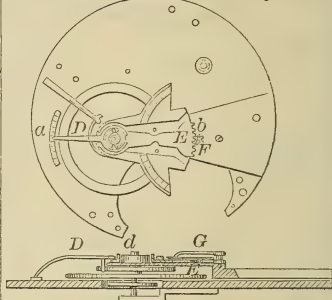
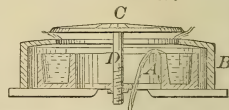
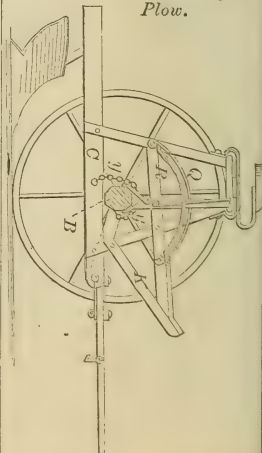
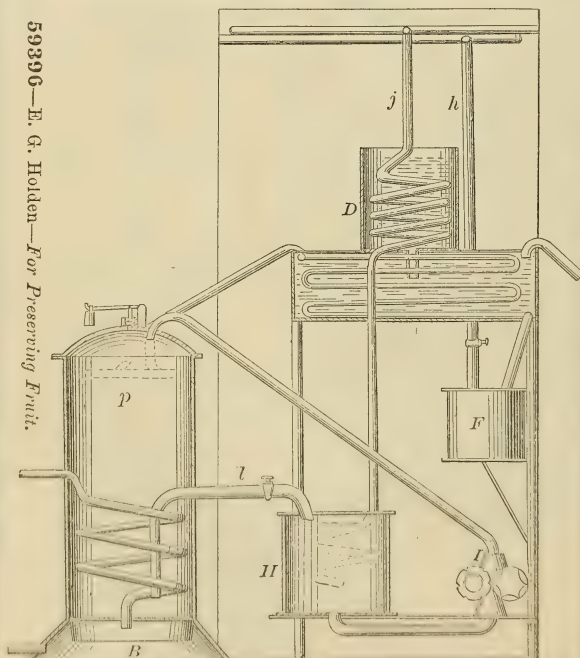
59387—J. & C. Gschwind—Car Register.



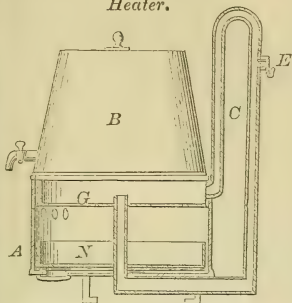
59385—C. Godden—Vehicle Wheel.

59386—D. H. Goodwillie—Inhaler.

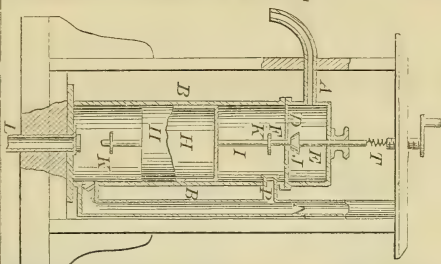


59388—G. Hadfield—*Medical Vacuum Chamber*;59389—P. Hagan—*Lamp Chimney*.59392—L. S. Hayes—*Sawing Machine*.59395—B. B. Hill—*Hand Stamp*.59394—A. Hill—*Watch Regulator*.59393—I. Helme—*Hydro-Carbon Burner*.59390—A. Hale—*Sulky Plow*.59396—E. G. Holden—*For Preserving Fruit*.

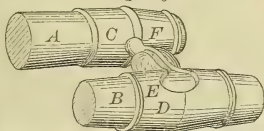
**59397**—A. T. Hutson—*Portable Heater.*



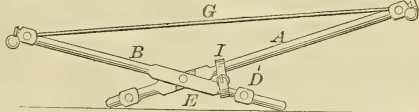
**59400**—J. Jordan—*Steam Pump.*



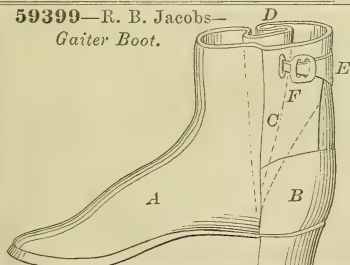
**59398**—J. Hyde—*Whiffletree Coupling.*



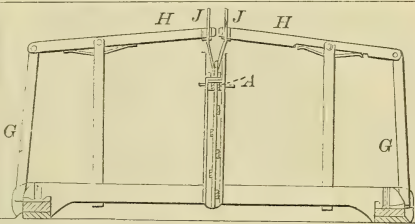
**59403**—J. E. Jouett—*Chair, Couch and Stretcher.*



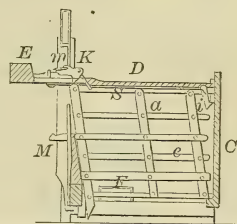
**59399**—R. B. Jacobs—*Gaiter Boot.*



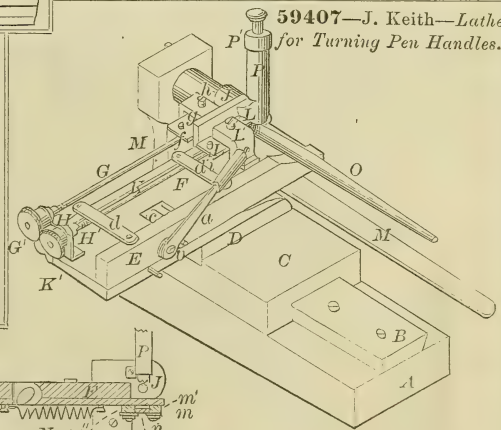
**59401**—P. F. Jones—*Railroad Rail.*



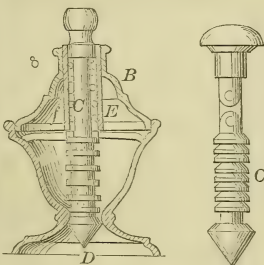
**59405**—S. S. Kappell—*Gate.*



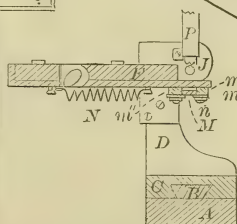
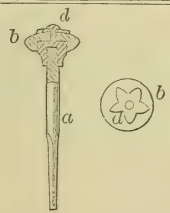
**59407**—J. Keith—*Lathe for Turning Pen Handles.*



**59406**—J. M. Keep—*Sprinkler for Powdered Substances.*



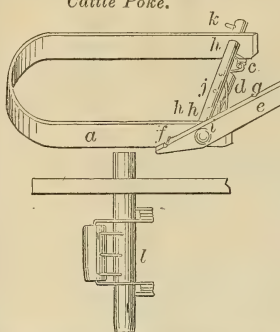
**59404**—A. D. Judd—*Picture Nail.*



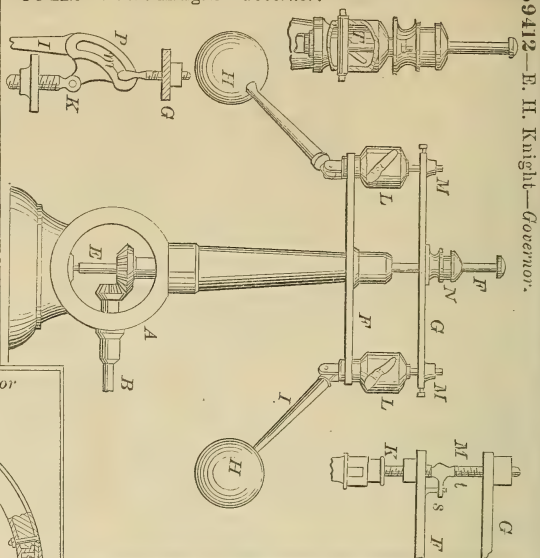


59408—

A. H. & H. P. Kennedy—  
*Cattle Poke.*

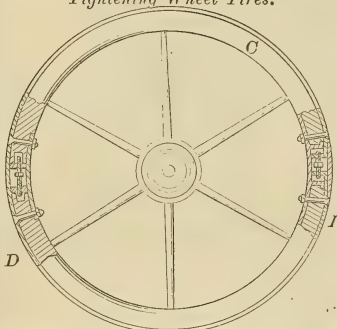


59412—E. H. Knight—*Governor.*

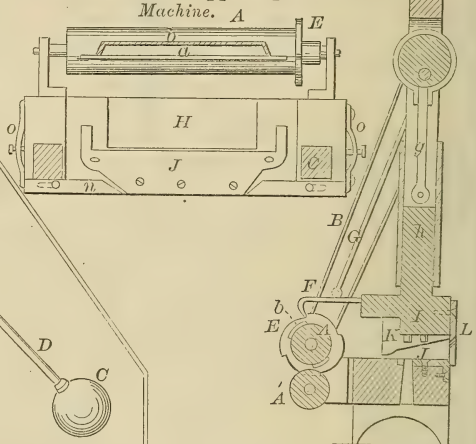


59412—E. H. Knight—Governor.

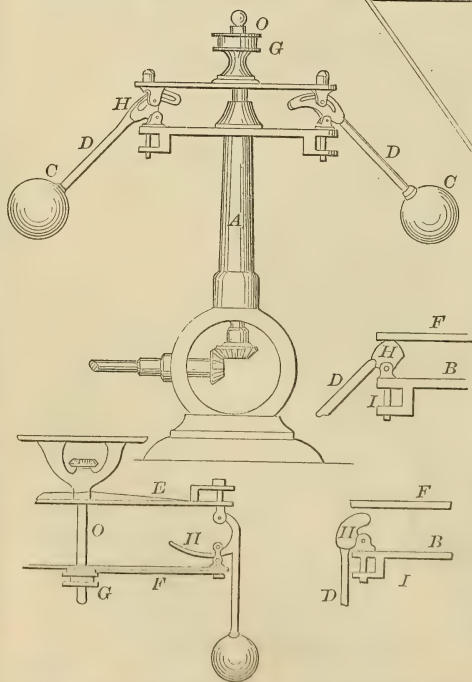
59409—Kirkman & Gray—*For Tightening Wheel Tires.*



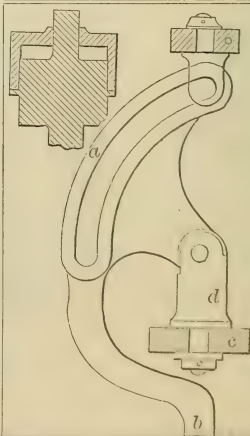
59410—H. F. Knapp—*Paper Collar Machine.* 4



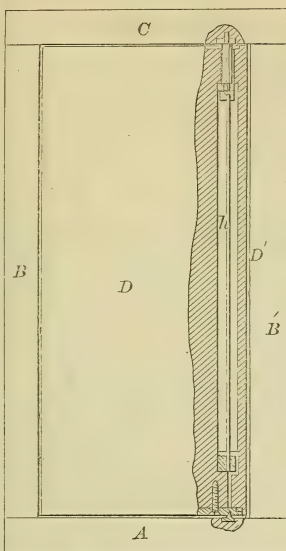
59411—E. H. Knight—*Governor.*



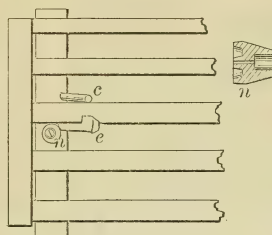
59413—E. H. Knight—Governor.



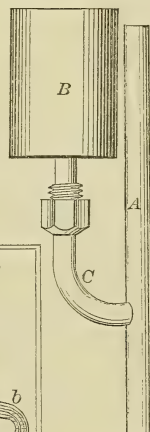
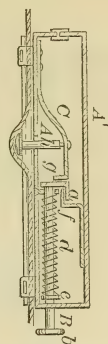
**59414**—R. T. Knight—*Spring For Closing Doors.*



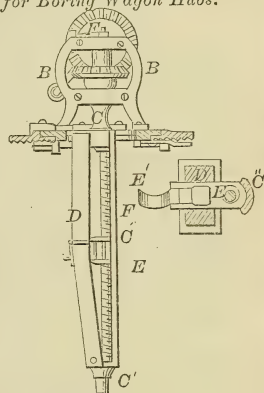
**59416**—A. Larrowe—*Gate.*



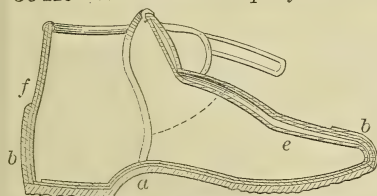
**59415**—A. T. Large—*Safety Pocket Clasp.*



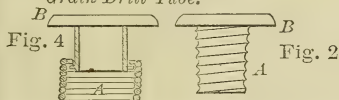
**59417**—S. Lavenue—*Machine for Boring Wagon Hubs.*



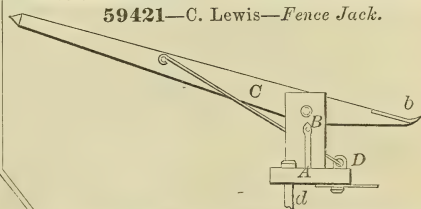
**59419**—J. Letson—*Waterproof Shoe.*



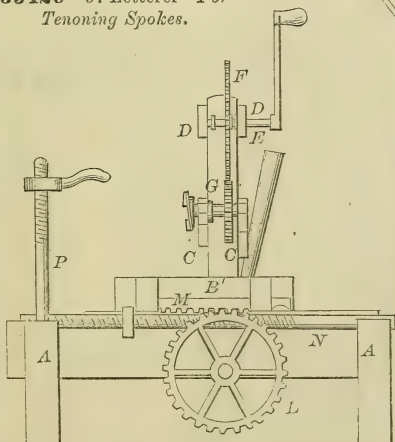
**59422**—Lighter & Harding—*Grain Drill Tube.*



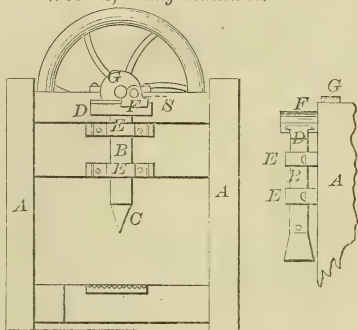
**59421**—C. Lewis—*Fence Jack.*

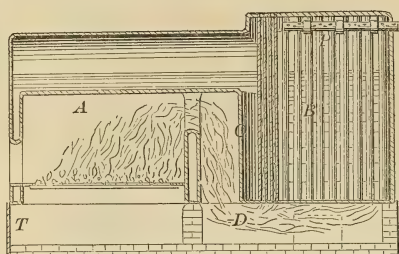
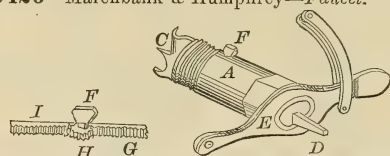
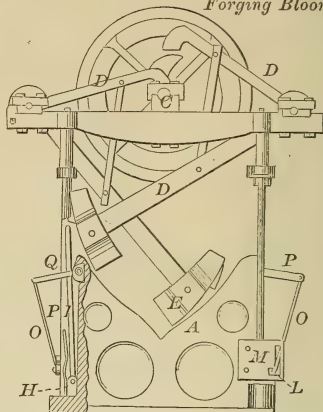
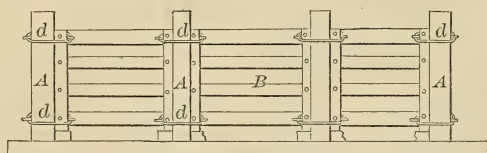
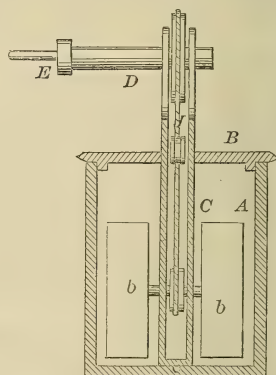
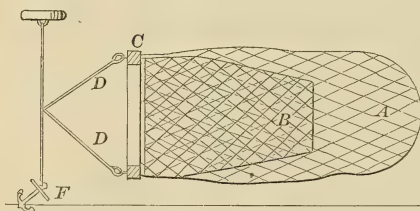
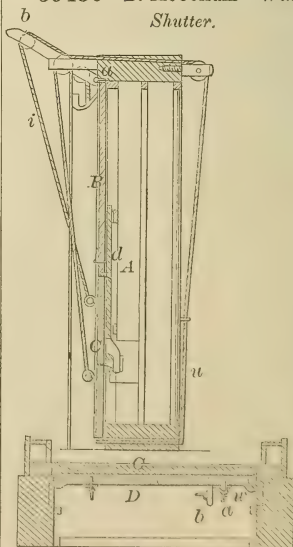
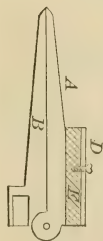
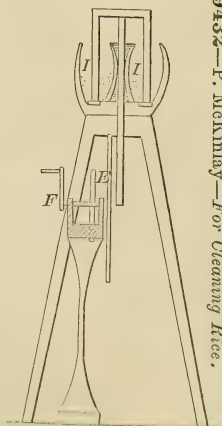


**59420**—J. Letterel—*For Tenoning Spokes.*



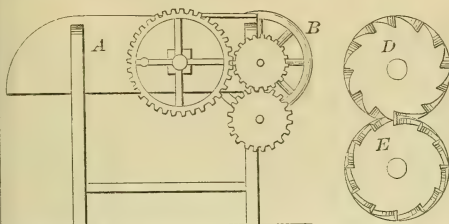
**59423**—Love & Thornly—*For Operating Wood Splitting Machines.*



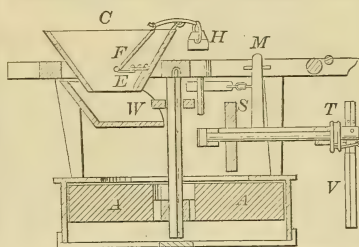
59424—T. Main—*Steam Generator.*59426—Marchbank & Humphrey—*Faucet.*59425—G. B. Manley—*Hammer for Forging Blooms.*59427—C. C. Mather—*Fence.*59428—W. D. Matthews—*Churn.*59429—W. Maxwell—*Fishing Net.*59430—B. McCollum—*Window Shutter.*59431—F. McDonough—*Door Fastener.*59432—P. McKinlay—*For Cleaning Rice.*



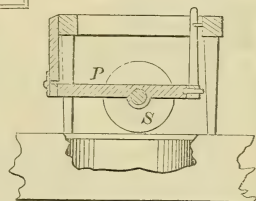
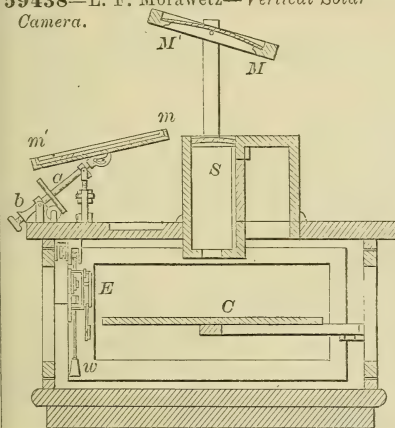
59433—J. McMahon—*Straw Cutter.*



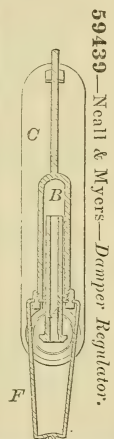
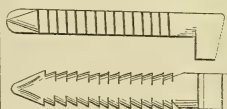
59435—S. M. Miller—*Grinding Mill.*



59438—L. F. Morawetz—*Vertical Solar Camera.*

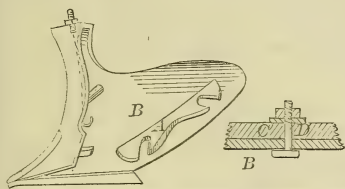


59434—H. Merrill—*Spike.*

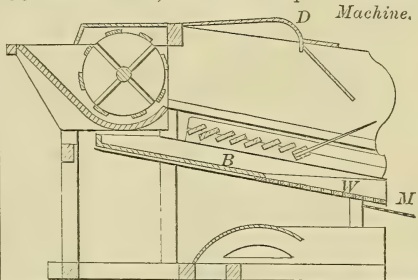


59439—Neill & Myers—*Damper Regulator.*

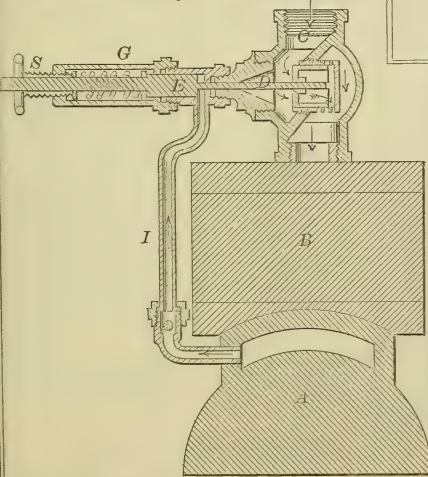
59437—J. A. Moore—*Plow.*



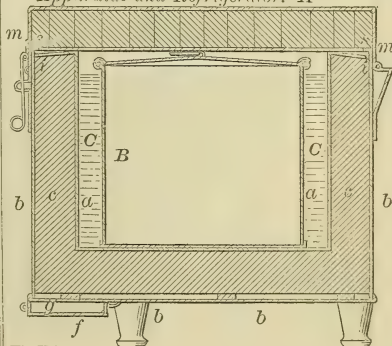
59440—Nichols, Nichols & Shepard—*Threshing Machine.*



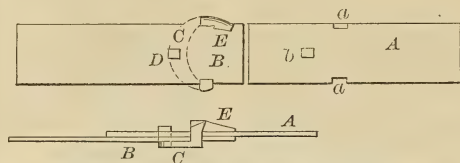
59442—G. E. Noyes—*Steam Governor.*



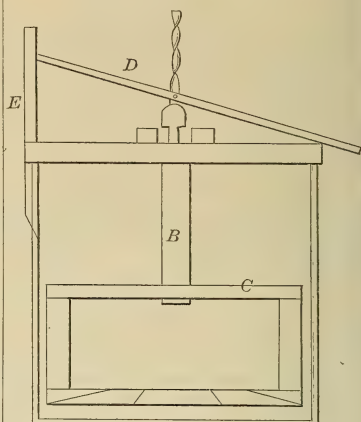
59441—J. & I. Neuburg—*Cooking Apparatus and Refrigerator.*



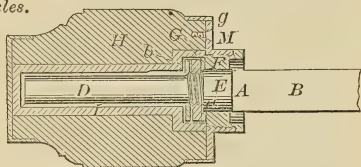
59443—W. Onions—Cotton Bale Tie.



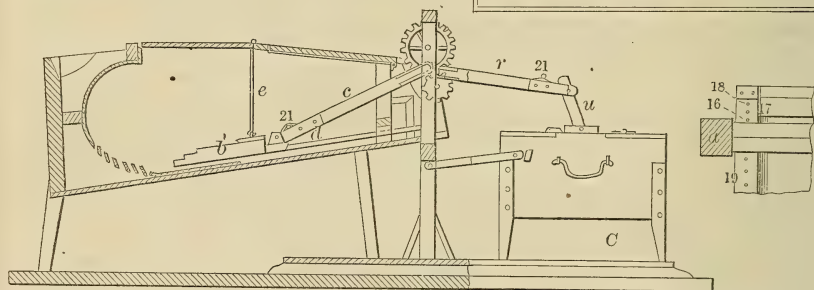
59447—J. M. Peirce—Churn and Washing Machine.



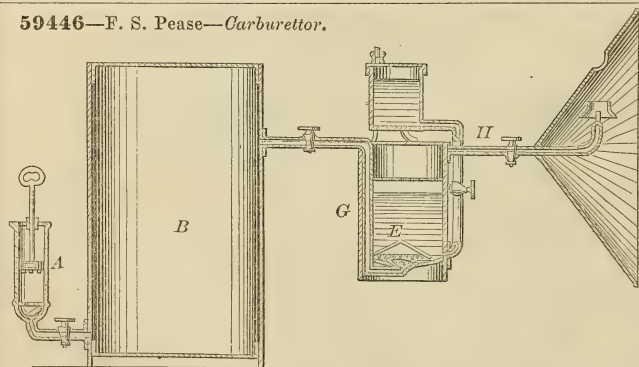
59445—I. Osgood—For Securing Wheel Hubs to Axles.



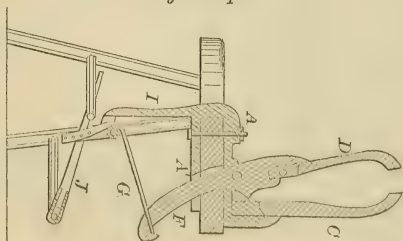
59444—W. Orcutt—Washing Machine and Churn.



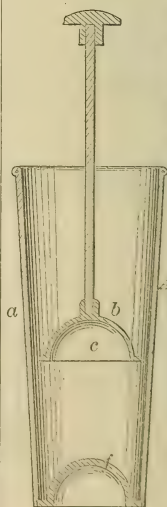
59446—F. S. Pease—Carburettor.



59448—J. H. Pitzel—Sewing Clamp.



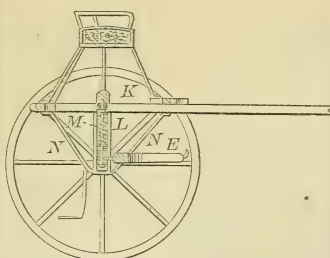
59449—E. L. Pratt—For Aerating and Mixing Substances.



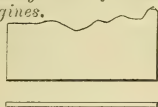
59450—E. L. Pratt—*Sieve.*



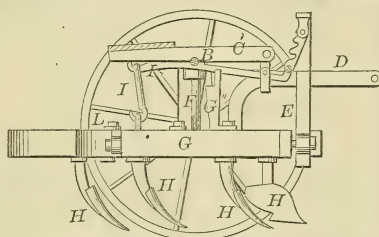
59452—J. G. Reiff—*Sulky.*



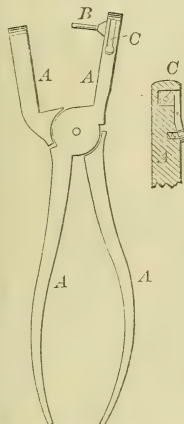
59456—J. Ross—*Paper Packing Joint of Steam Engines.*



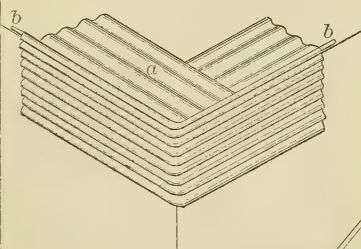
59454—C. S. Roberts—*Cultivator.*



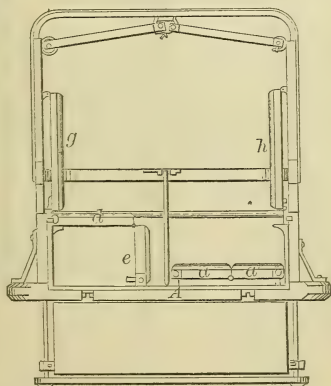
59453—W. A. Rex—*Punch.*



59458—E. A. G. Roulstone—*Trunk Moulding.*



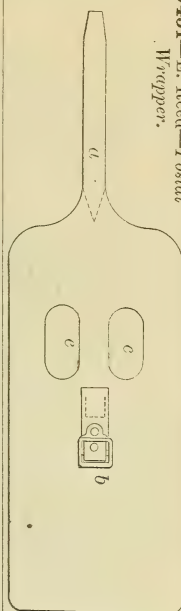
59459—Rucker, Allen & Smith—*Ambulance.*



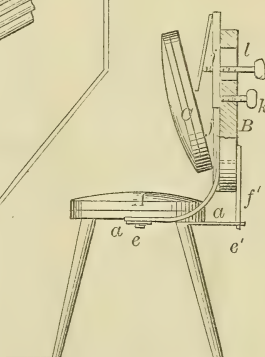
59460—H. Ryder—*Tubular Plunger for Candle Moulds.*



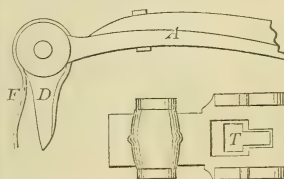
59451—E. Reed—*Postal Wrapper.*



59457—T. J. Ross—*Adjustable Back for Stools.*

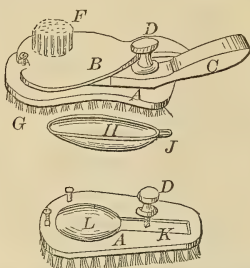


59455—Rood & Hackett—*Thill Coupling.*

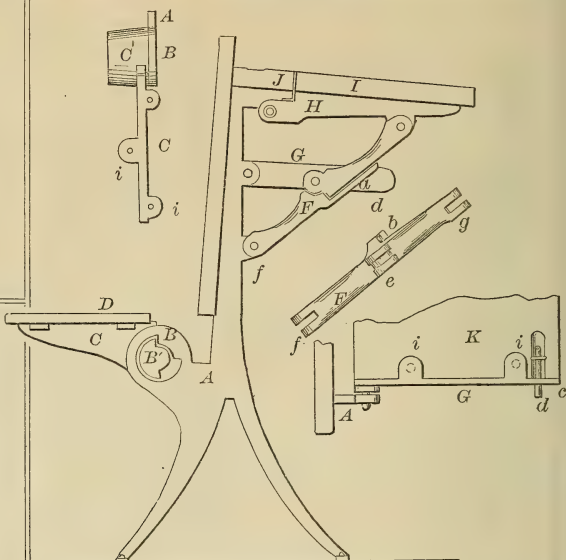




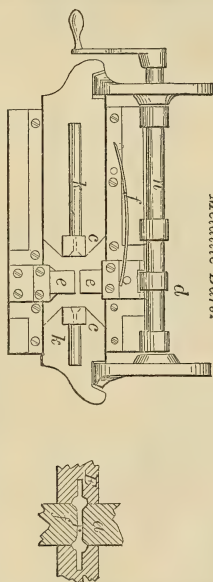
**59461**—W. H. H. Saunders—*Blacking Brush and Box.*



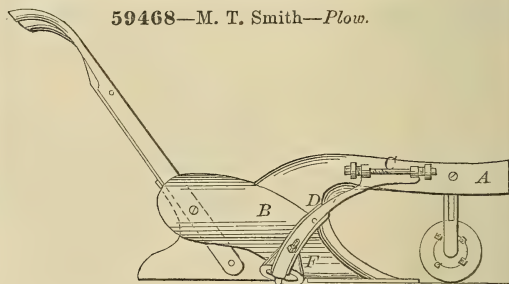
**59466**—C. W. Sherwood—*School Desk and Seat.*



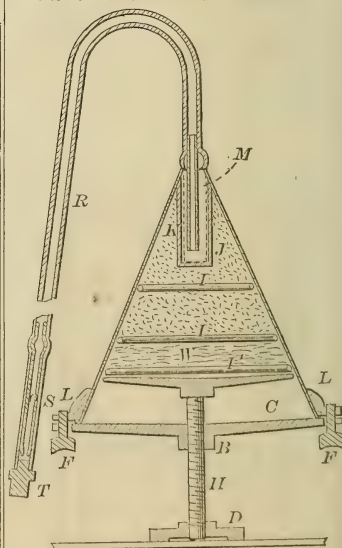
**59464**—N. Seward—*For Upsetting and Forming Articles from Metallic Bars.*



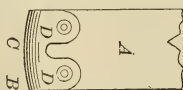
**59468**—M. T. Smith—*Plow.*



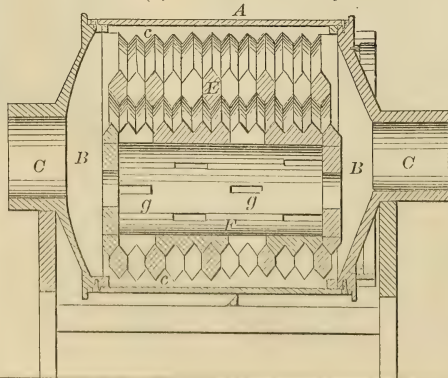
**59467**—T. Simmons—*Filter.*



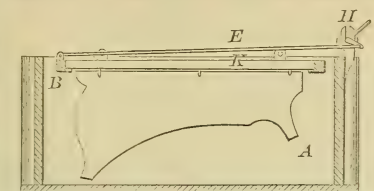
**59465**—Sharp & Seymour—*Suspenders.*



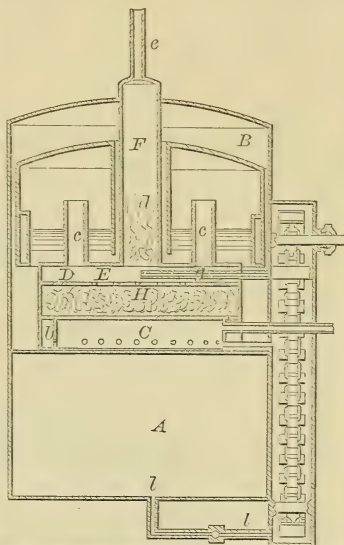
**59463**—Seoville, Gates & Fraser—*Quartz Mill.*



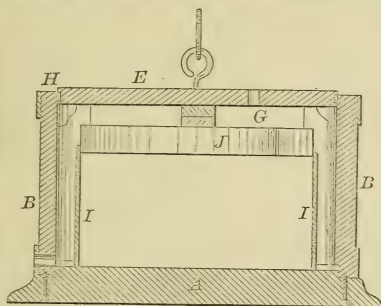
59469—J. Snell, Jr.—*For Handling Hides.*



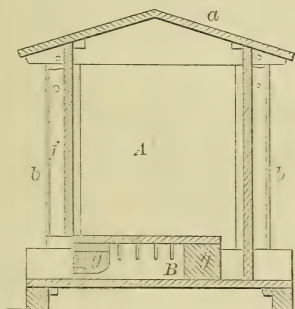
59474—L. Stevens—*For Carburetting Air.*



59475—W. H. Stevens—*Cheese Press.*



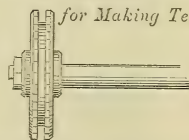
59471—J. H. Starr—*Beehive.*



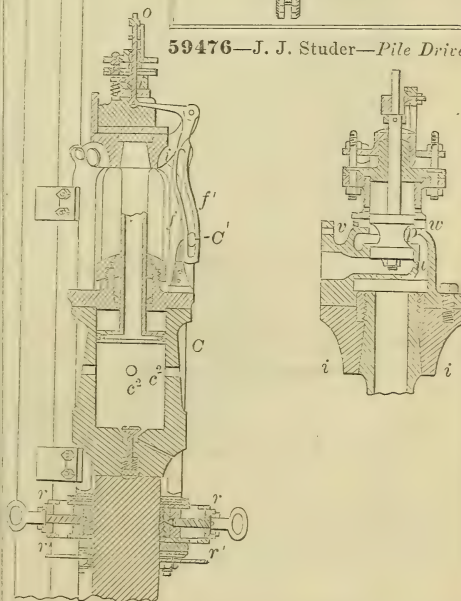
59470—D. Spore—*Bed Bottom.*



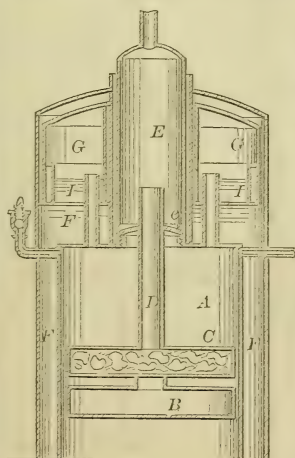
59472—D. H. Stephens—*Tool for Making Tenons.*



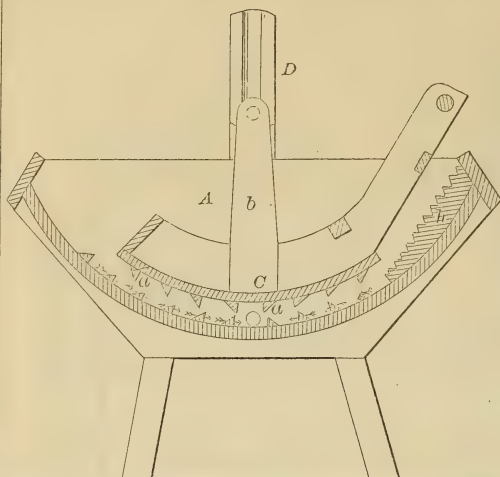
59476—J. J. Studer—*Pile Driver.*



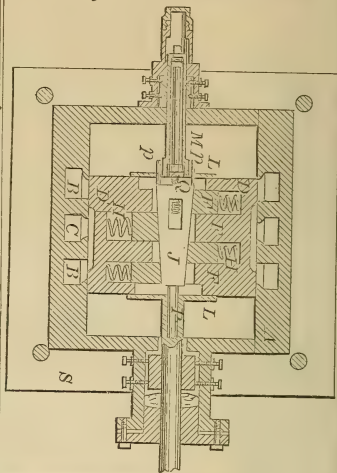
59473—L. Stevens—*For Carburetting Air.*



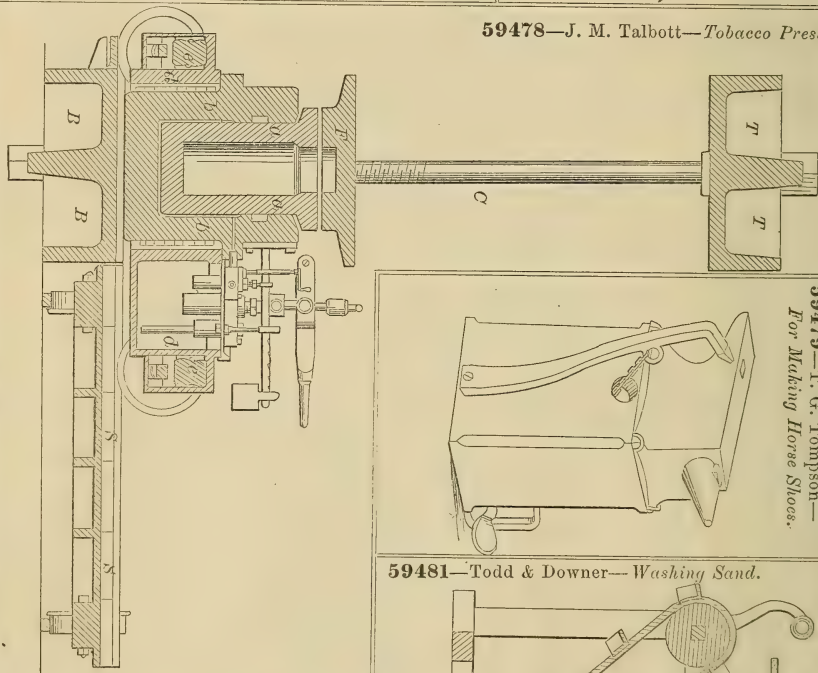
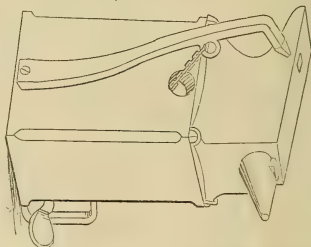
59477—W. C. Taggart—Washing Machine.



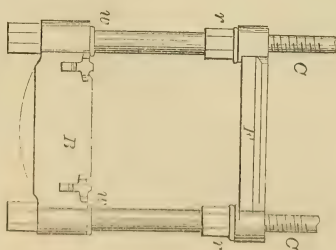
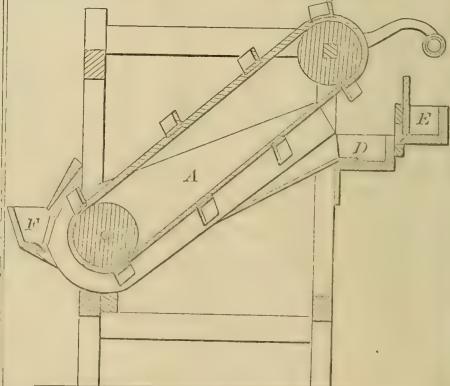
59480—E. D. Taylor—Steam Engine Slide Valve.



59478—J. M. Talbott—Tobacco Press.

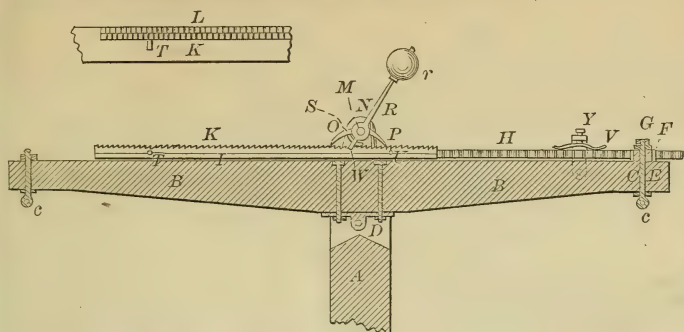
59479—T. G. Thompson—  
For Making Horse Shoes.

59481—Todd &amp; Downer—Washing Sand.

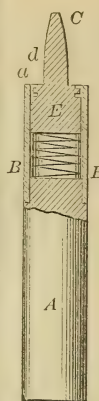




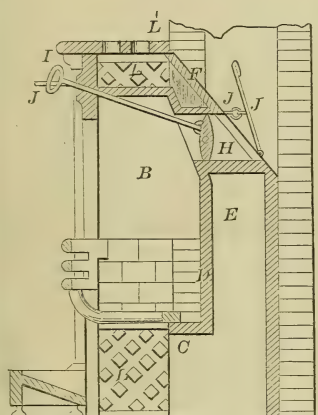
59482—W. B. Trunick—Boring Tool for Wells.



59483—D. Tuttle—Truss Lock.



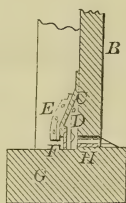
59484—I. H. Upton—Fire Place.



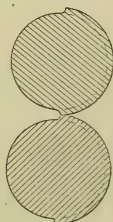
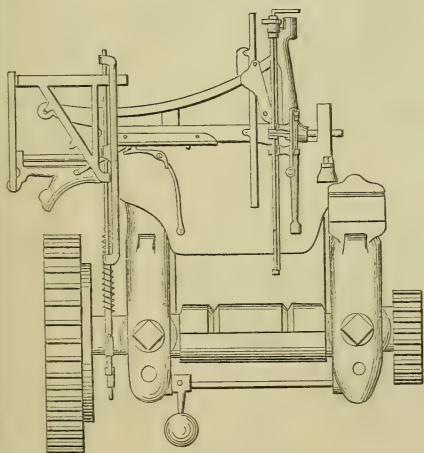
59485—C. Van Dyeck—Cigar.



59486—J. A. Vincent—Weather Strip.

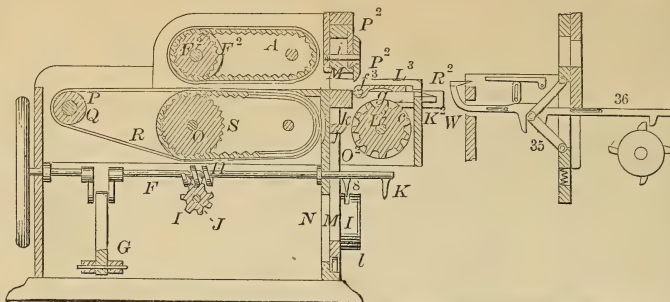
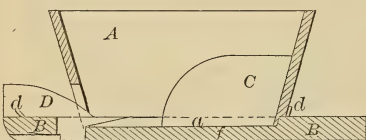
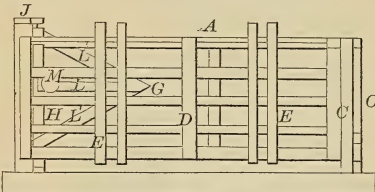
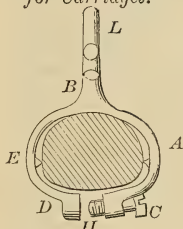
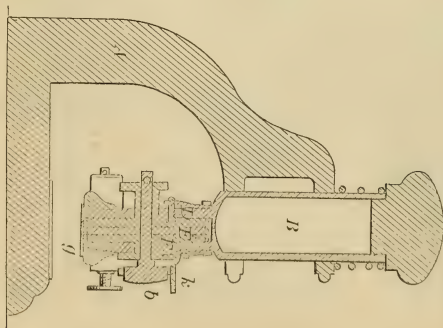
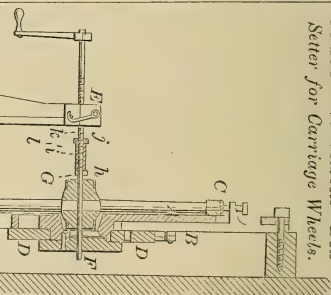
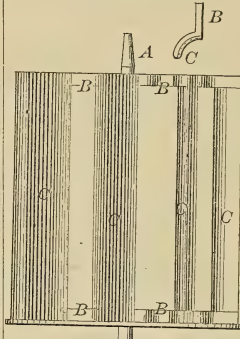
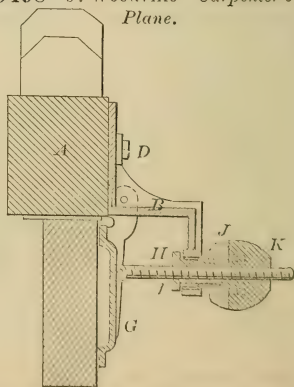
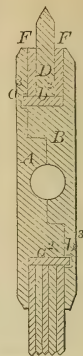
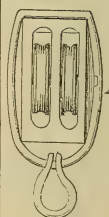


59488—H. Waters—Rolling-Die Apparatus.

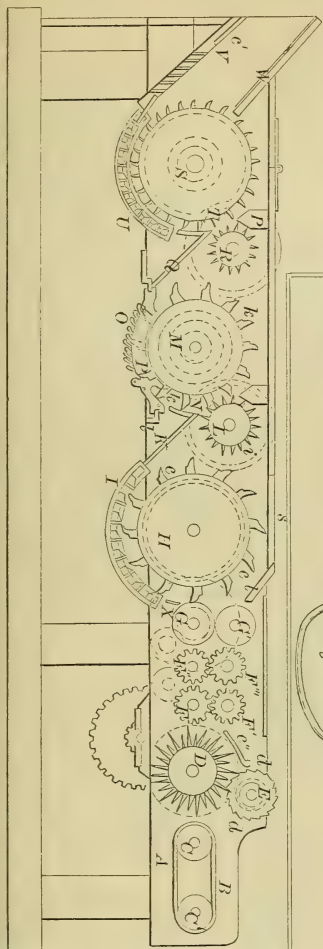


59487—J. J. B. Walbach—Wax Rocket.

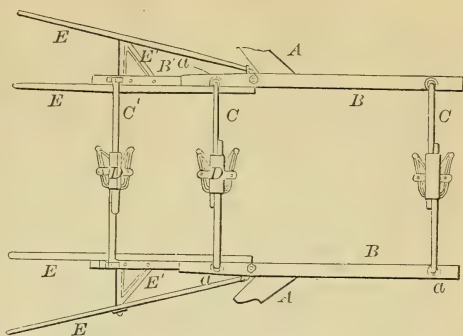


59489—W. H. Watson—*For Pressing Tobacco.*59490—M. D. Wells—*Cotton Seed Planter.*59492—B. J. Wheelock—*Fence Gate.*59494—E. Wilson—*Hold Back for Carriages.*59497—G. E. Woodbury—*Hand Stamp.*59493—W. G. Willeox—*Snut Machine.*59495—W. Witbeck—*Box Setter for Carriage Wheels.*59498—J. Woodville—*Carpenter's Plane.*59491—A. Wheeler—*Bush Hammer.*59496—A. G. Wolf—*Strapping Block.*

59503—S. A. Clemens—*For Breaking and Cleaning Flax.*



59499—A. Young—*Cultivator*.

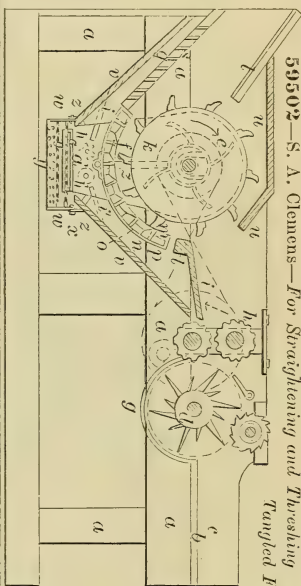


59500—E. B. Stoddard—

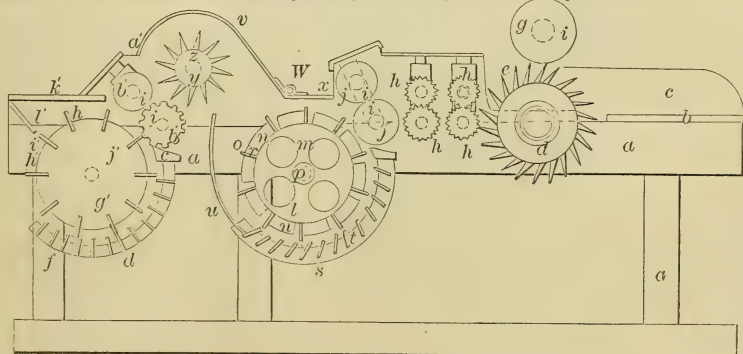


*Breech-Loading Five Arm.*

59502—S. A. Clemens—*For Straightening and Threshing Tangled Flax.*

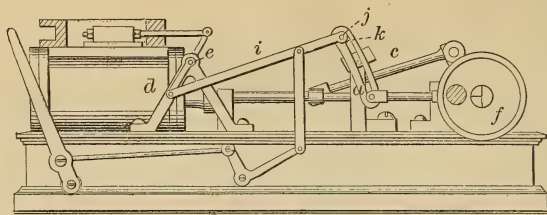


59501—S. A. Clemens—*For Straightening, Breaking and Cleaning Flax Straw.*

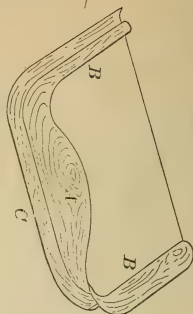




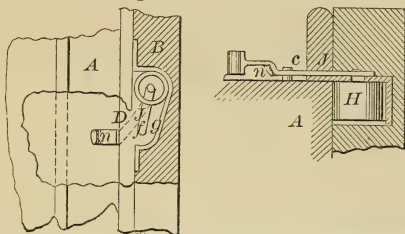
59504—W. P. Corey—*Valve Gear.*



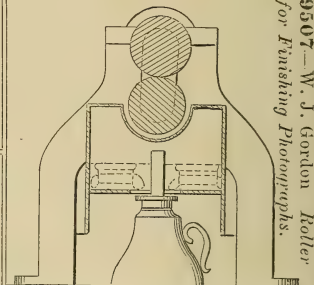
59508--B. Hurlburt--*Carriage Seat.*



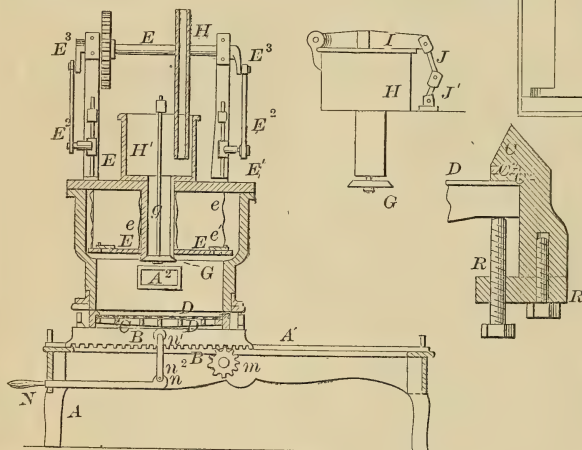
59505—E L. Ferguson—*Sash Holder or Fastening.*



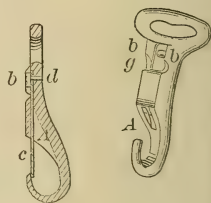
59507.—W. J. Gordon *Roller*  
for *Finishing Photographs*.



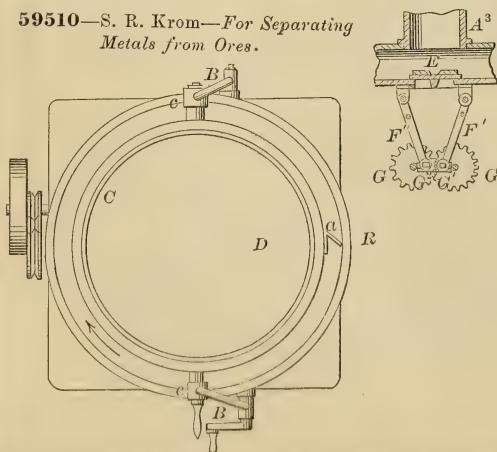
59509—S. R. Krom—*For Separating Metals from Ores.*



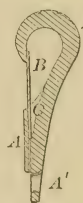
59511—J. Letchworth—  
*Snap Hook.*



**59510**—S. R. Krom—*For Separating Metals from Ores.*



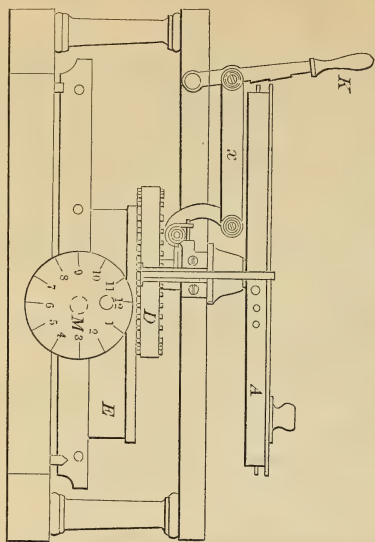
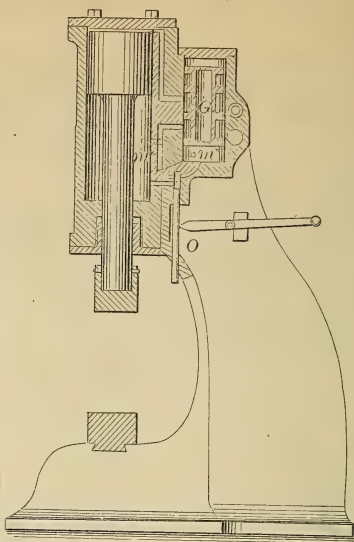
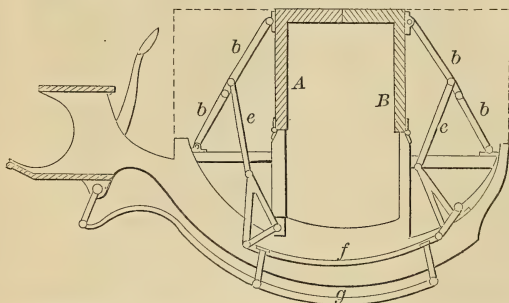
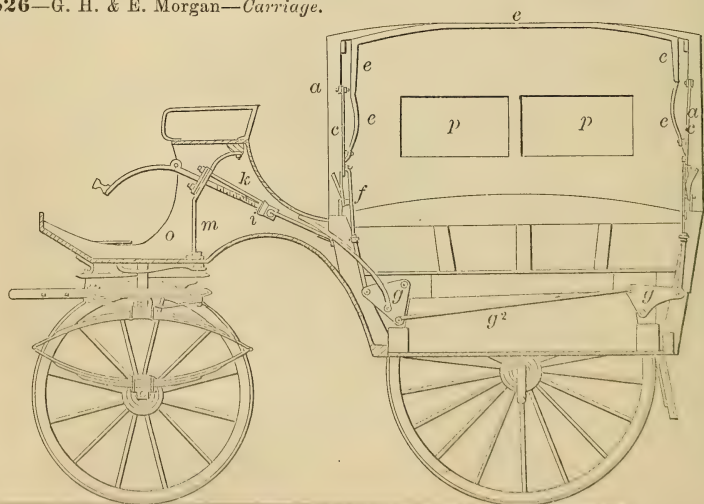
59506—Forbush & Letchworth—*Snap Hook*.



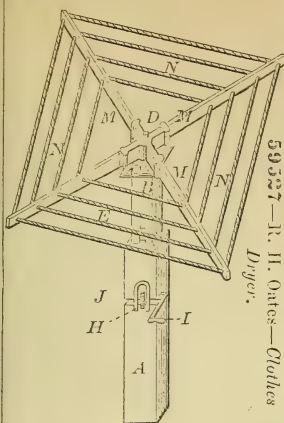
59512—J. F. Milligan—Cotton Tie.



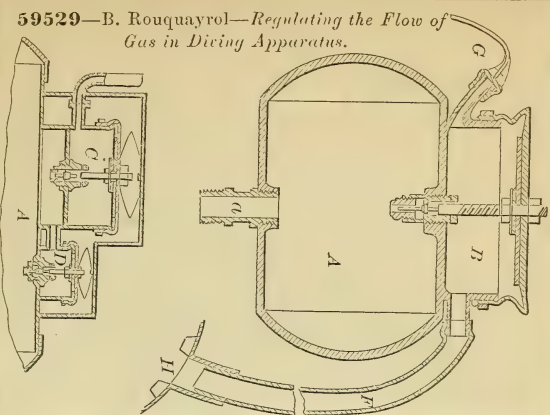


59522—P. Flamm—*Typography.*59524—D. Joy—*Valve for Steam Hammers.*59525—G. H. & E. Morgan—*Carriage.*59523—J. Higgins—*Ring for Ring Traveler Spinning Machines.*59526—G. H. & E. Morgan—*Carriage.*

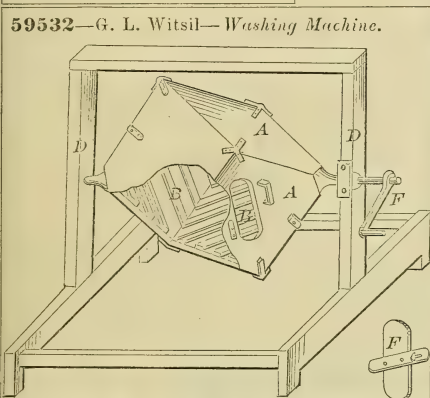




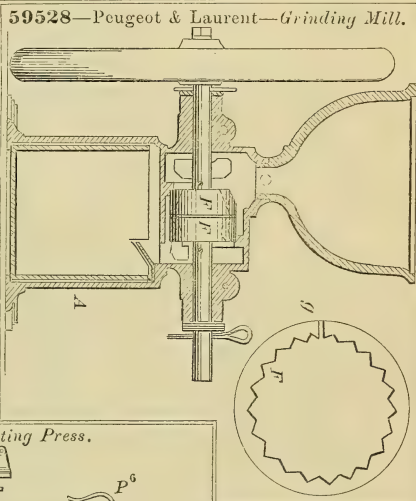
59527—R. H. Oates—Clothes  
Dryer.



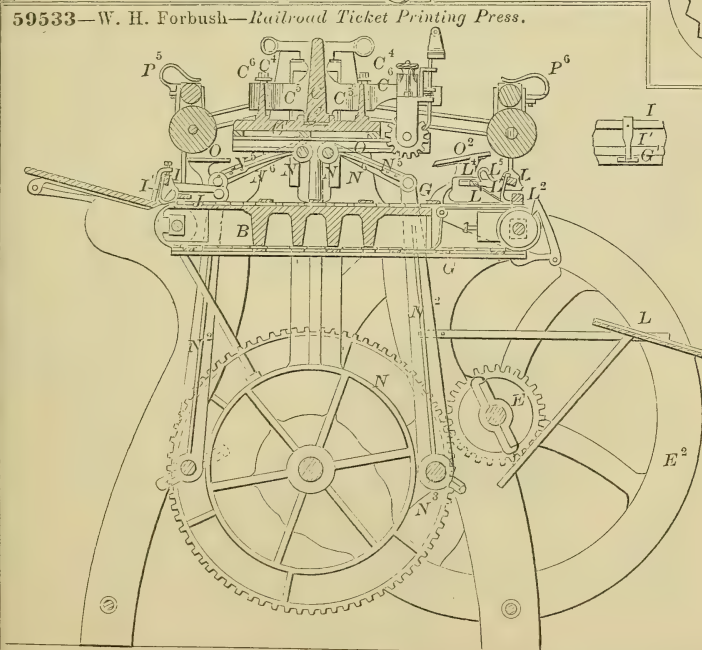
59529—B. Rouquayrol—*Regulating the Flow of Gas in Diving Apparatus.*



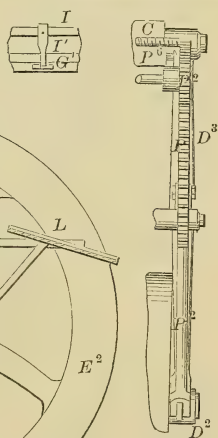
59532—G. L. Witsil—*Washing Machine.*

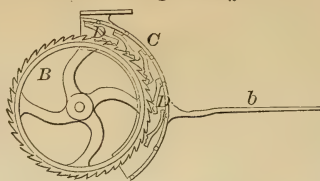
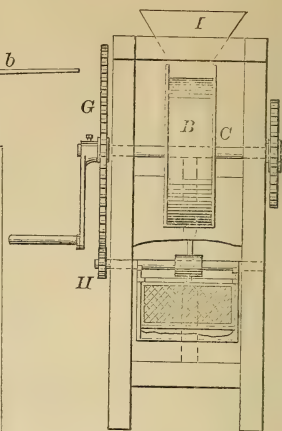
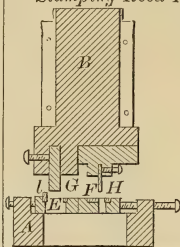
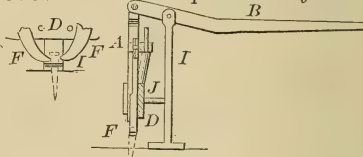
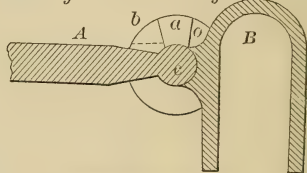
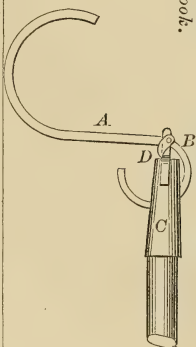
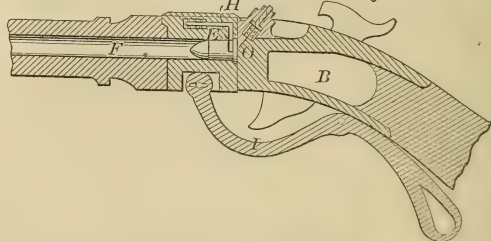
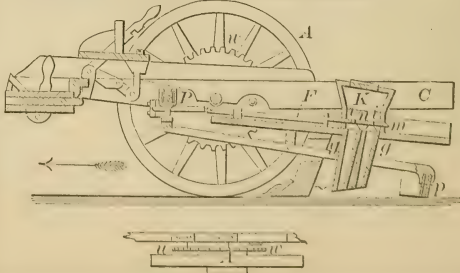
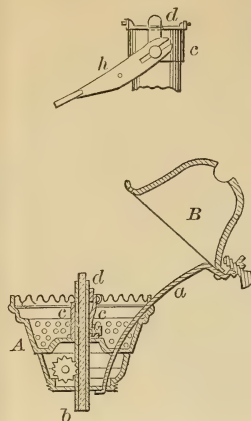
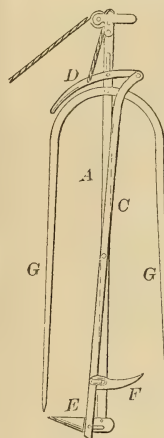
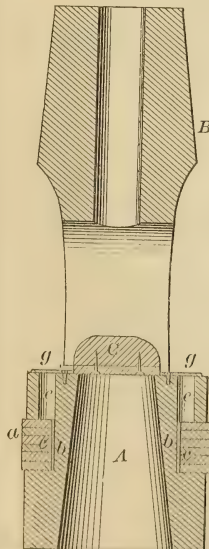


59528—Peugeot & Laurent—*Grinding Mill.*



59533—W. H. Forbush—*Railroad Ticket Printing Press.*

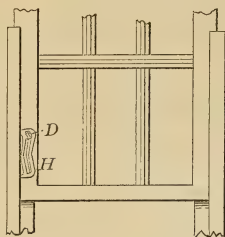


59538—A. Angell—*Coffee Huller.*59541—C. Austin—*For Stamping Reed Plates.*59535—N. Adams—*Spike Drawing Machine.*59537—Althouse & Reifsnider—*For Attaching Thills to Carriages.*59542—Baker & Miller—*Pulley Suspension Hook.*59540—J. N. Aronson—*Breech-Loading Fire Arm.*59543—W. R. Baldwin—*Corn Planter.*59534—C. E. Abbott—*Lamp Extinguisher.*59539—T. H. Arnold—*Horse Hay Fork.*59536—M. J. Althouse—*Pump.*

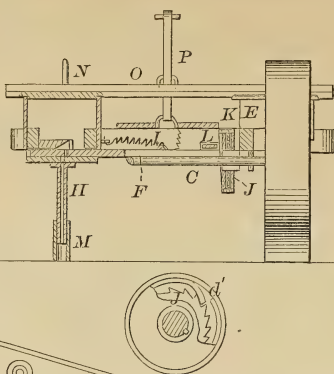




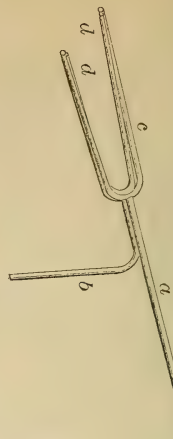
**59558**—De L. Cole—*Sash Fastener.*



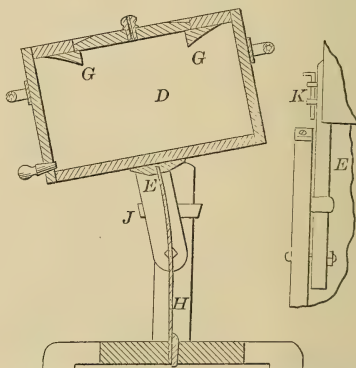
**59559**—J. Conrad—*Corn Planter.*



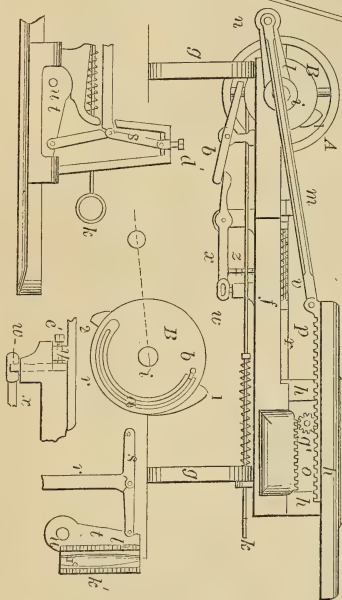
**59562**—E. Cutter—*Dental Anesthetic Instrument.*



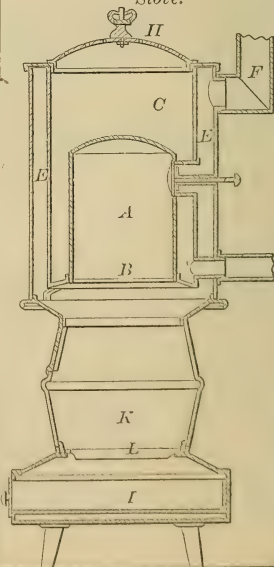
**59560**—W. M. Cook—*Churn.*



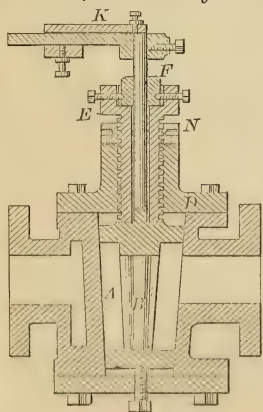
**59561**—P. D. Cummings—*For Rolling File Blanks.*



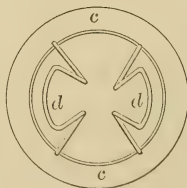
**59563**—H. G. Dayton—*Coal Stove.*



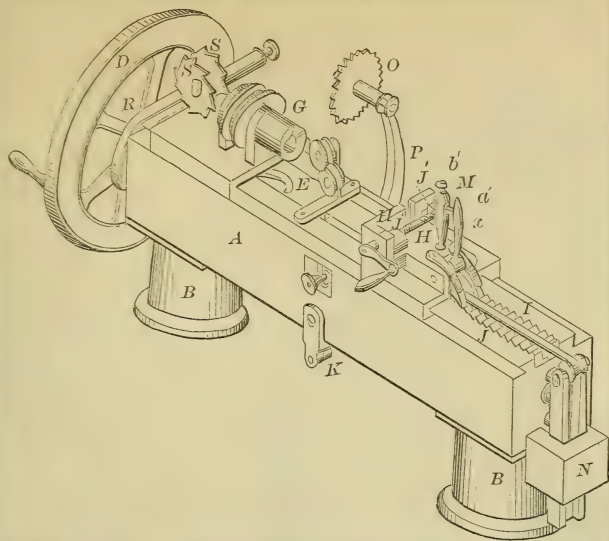
**59565**—J. L. Dickinson—*Valve Device for Steam Engines.*



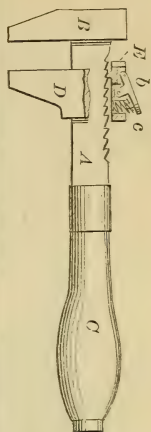
**59566**—J. V. Dunlap—*Lamp Shade.*



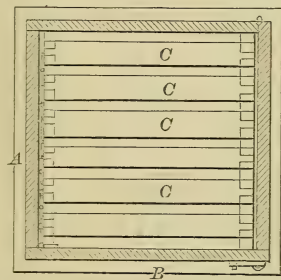
59567—L. H. Dwyer—Machine for Making Barrel Plugs.



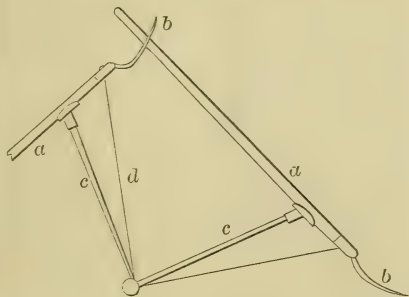
59571—W. Evans—Wrench.



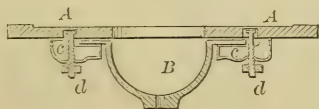
59569—W. T. Eisenhart—Beehive.



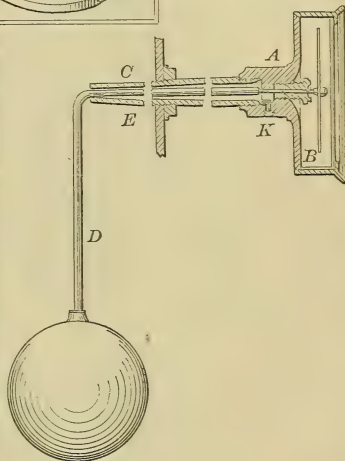
59570—W. H. Elliot—Hay Fork.



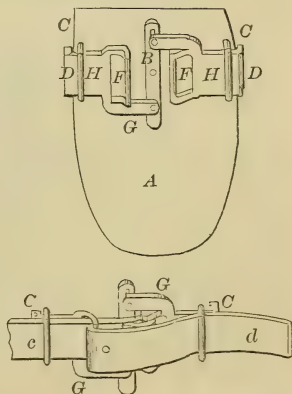
59572—J. Ewing—Wash Basin Clamp.



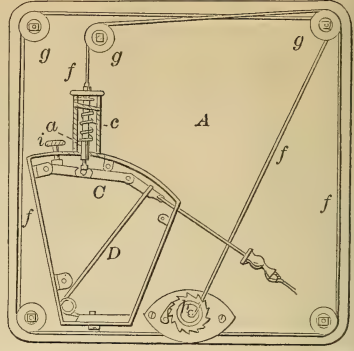
59574—T. With—Low Water Detector.



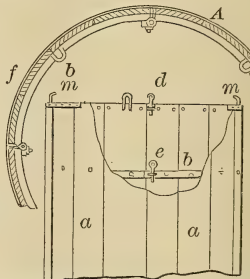
59575—M. Fleisher—Skate Fastening.



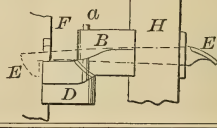
59579—Fontaine & Simons—  
*Fire Alarm.*



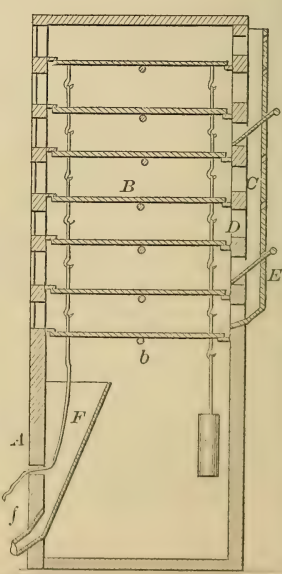
59578—W. S. Follensbee—  
*Growing Form for Walls.*



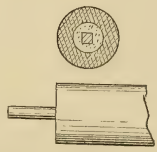
59581—W. H. Foulds—Window  
*Shutter Hinge.*



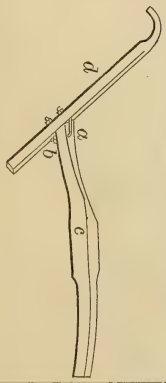
59583—J. Geenen—*Multi-Kith.*



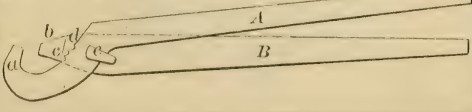
59580—J. B. Forsyth—  
*India Rubber Roller.*



59577—F. Vogelgesang—*Plow.*

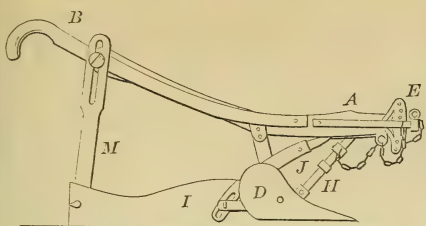


59582—M. H. Freeman—*Pipe Tongs.*

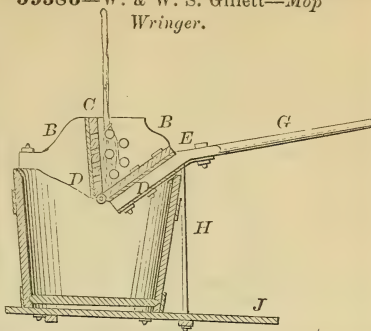




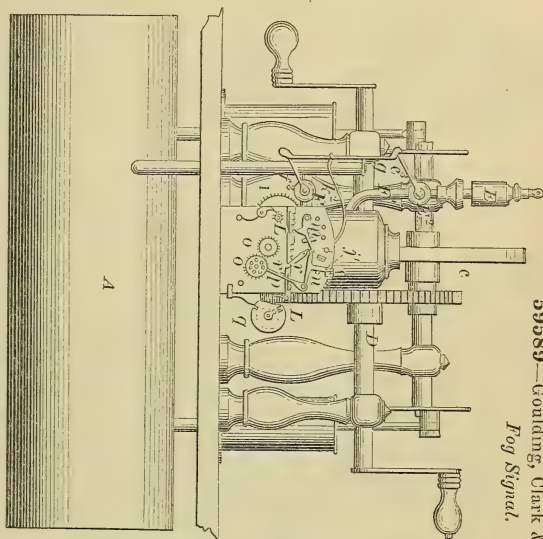
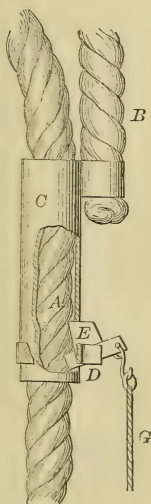
59584—J. Gifford, Jr.—*Horse Hoe.*



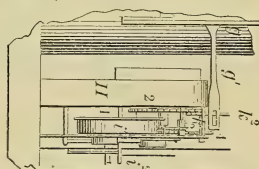
59586—W. & W. S. Gillett—*Mop Wringer.*



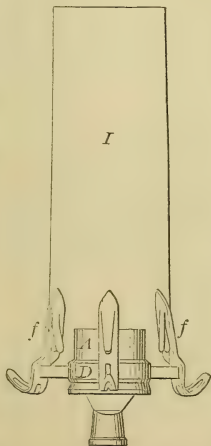
59585—J. Gifford, Jr.—*Hay Elevator.*



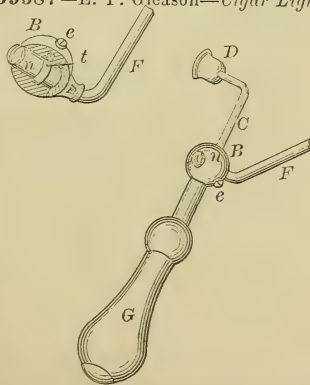
59589—Goulding, Clark & Dickinson—*Fog Signal.*



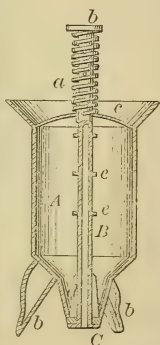
59588—E. P. Gleason—*Chimney Holder for Gas Burners.*

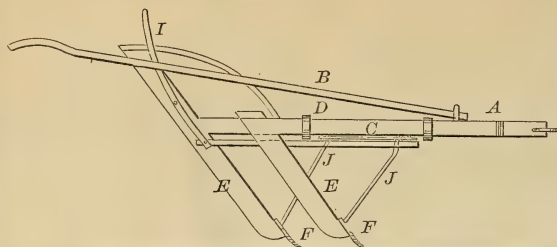
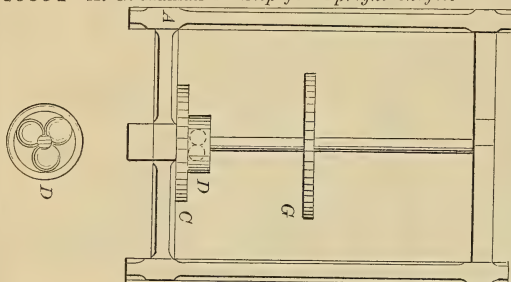
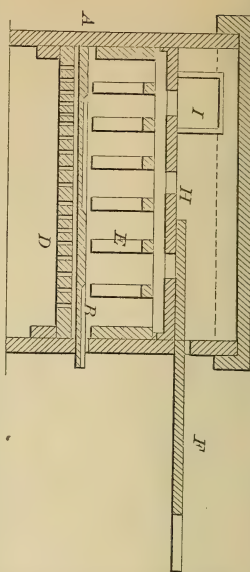
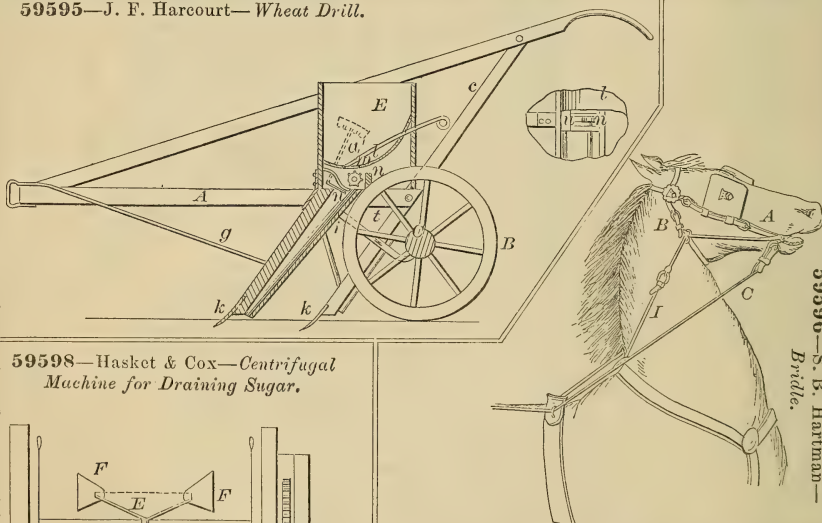
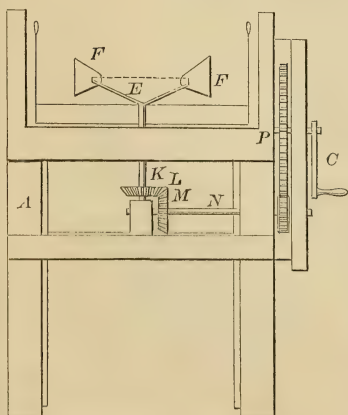
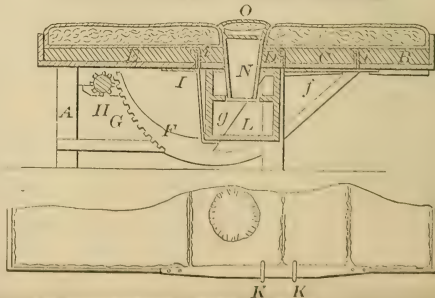


59587—E. P. Gleason—*Cigar Lighter.*

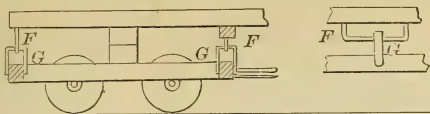


59590—E. Grittem—*Measure and Funnel.*

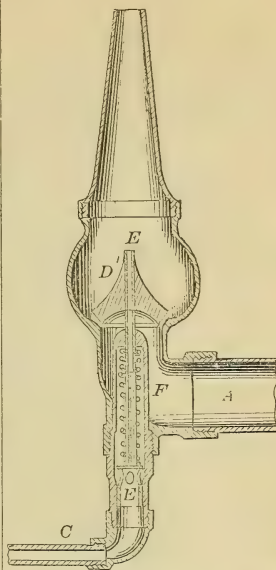


59592—A. F. Grove—*Cultivator.*59594—A. G. Hamaker—*Step for Upright Shafts.*59593—M. Guthrie—*Beehive.*59595—J. F. Harcourt—*Wheat Drill.*59598—Hasket & Cox—*Centrifugal Machine for Draining Sugar.*59596—S. B. Hartman—*Bridle.*59600—W. Heath—*Invalid Bedstead.*

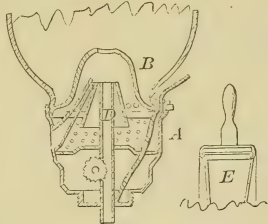
59601—B. Heiderich—*Car Truck.*



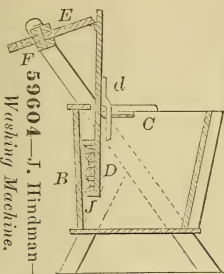
59602—P. C. Heinz—*Injector*.



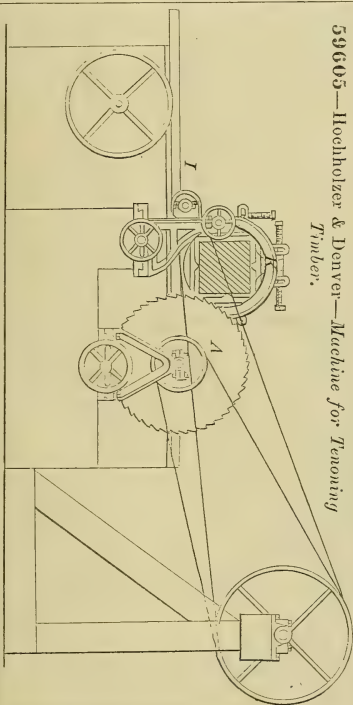
59607—J. N. Howe—  
*Extinguisher for Lamp.*



3604—J. Hindna  
Washing Machine.



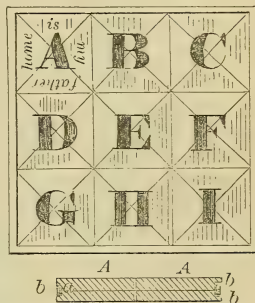
59605—Hochholzer & Denver—Machine for Tenoning Timber.



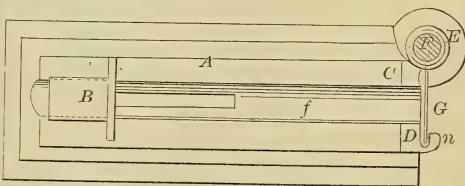
59608—J. Hutchins—*Drill or Well Tube.*



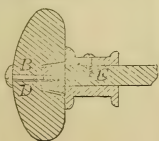
59603—L. Mill—Alphabet Blocks.



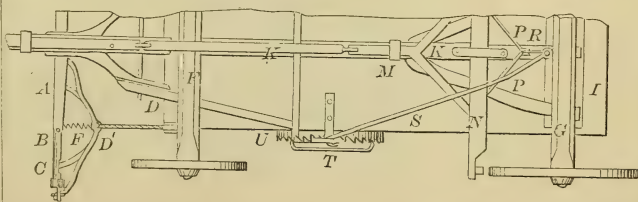
59606—F. W. Hoffmann—*For Cutting off Cigars.*



59609—Jones &  
Mead—*Fastening  
Door Knobs to  
Shanks.*

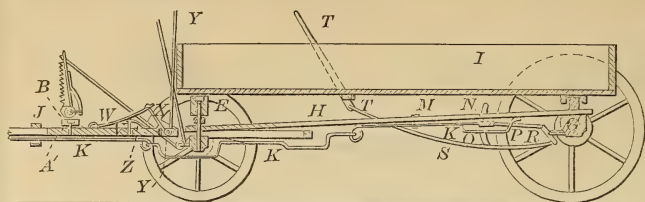


59610—W. A. Jones—*Vehicle*.

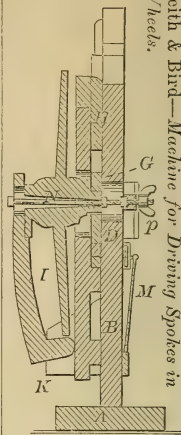




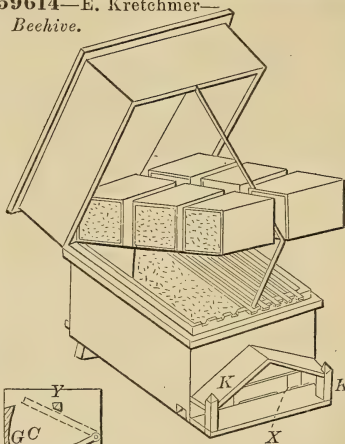
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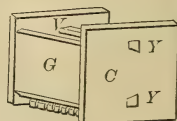
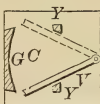
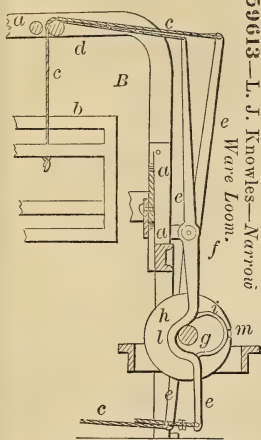
59612—Keith &amp; Bird—Machine for Driving Spokes in Wagon Wheels.



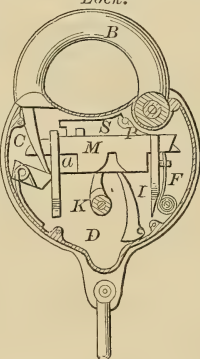
59614—E. Kretschmer—Beehive.



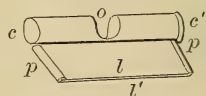
59613—L. J. Knowles—Narrow Wave Loom.



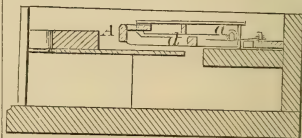
59615—E. Lawshe—Lock.



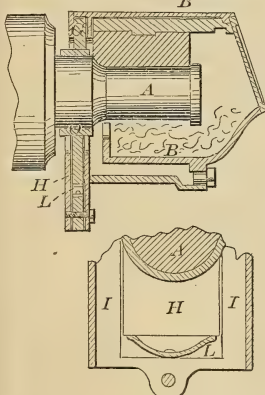
59618—C. Mahon—Ticket Holder.



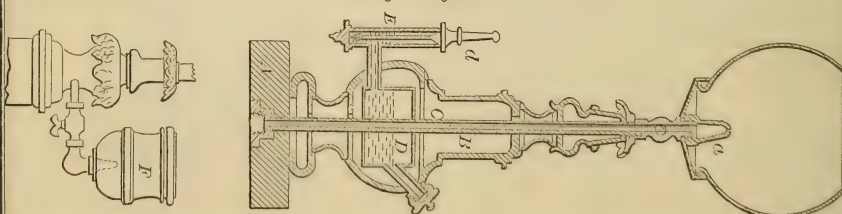
59619—G. C. Manner—Piano Forte.



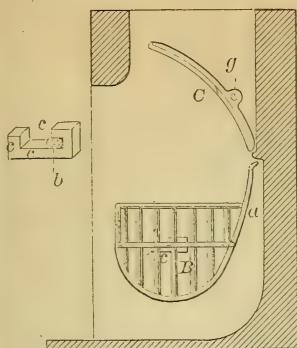
59616—F. Leppens—Axle Box.



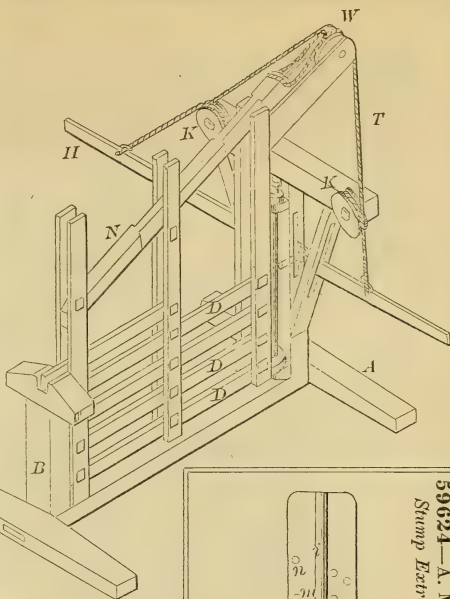
59617—W. C. Lester—Gasolier and Cigar Lighter.



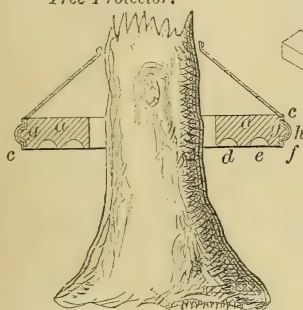
59620—T. McCleary—Fire Place.



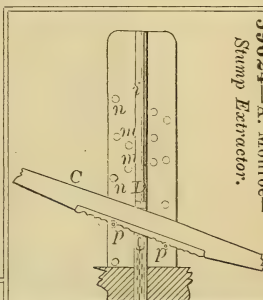
59621—R. W. McFarland—Farm Gate.



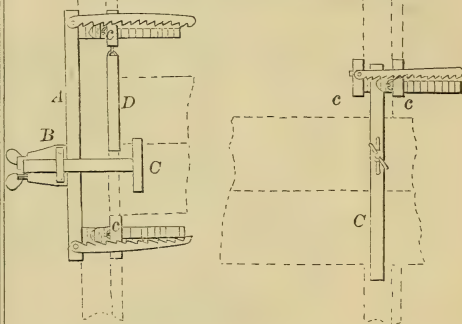
59623—B. Merritt, Jr.—Tree Protector.



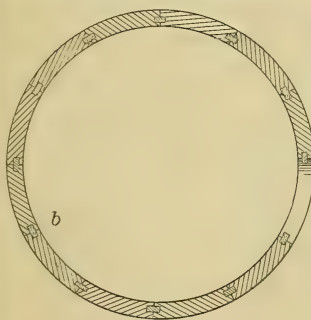
59624—A. Monroe—Stump Extractor.



59626—D. M. Mourland—Clamp and Gauge for Weather Boarding.



59622—J. Merrill—Crack, Barrel, &c.



59628—A. B. Mullett—Lock.  
Fig. 2

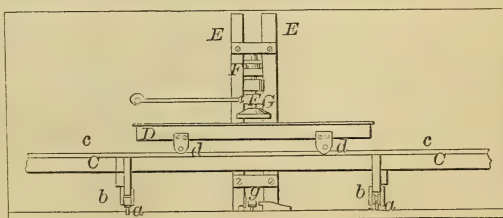


Fig. 4

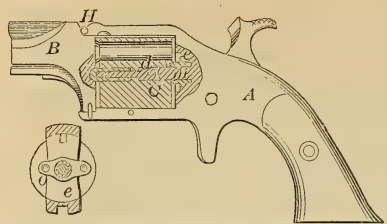


Fig. 8

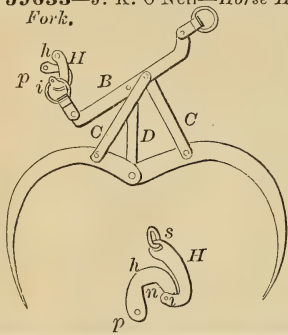
59625—J. Moore—Wood Polishing Machine.



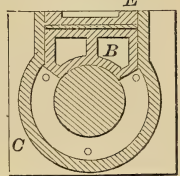
59629—A. L. Munson—Revolving Fire Arm.



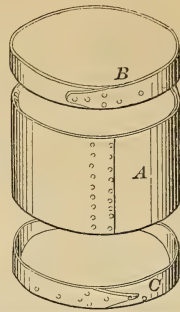
59633—J. K. O'Neil—Horse Hay Fork.



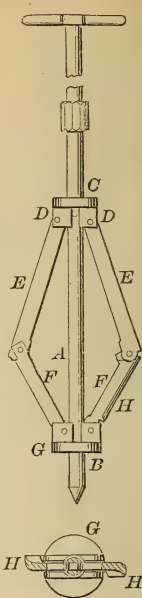
59632—C. M. Oliver—Axle Box.



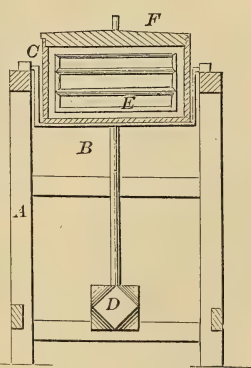
59630—W. B. Nickelson—Cheese Hoop.



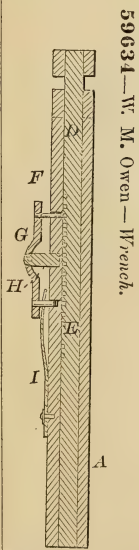
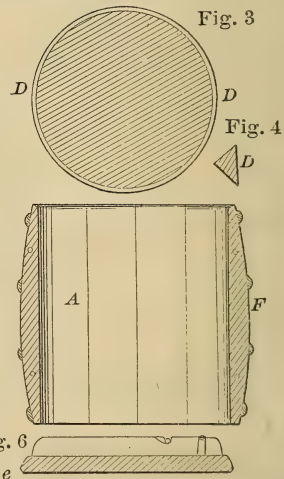
59631—Nottingham & Duncan—Drill.



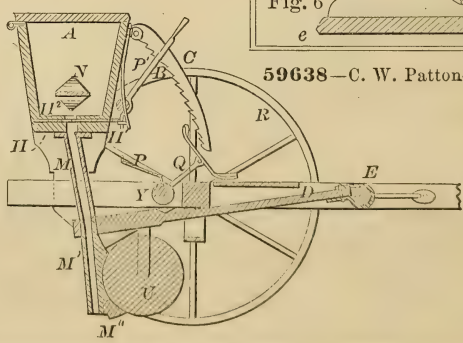
59637—J. D. Parrot—Churn.



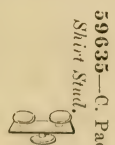
59636—E. A. Palmer—Cheese Hoop.



59634—W. M. Owen—Wrench.



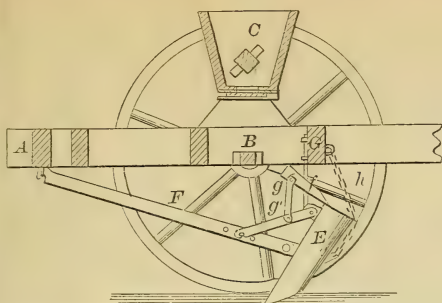
59638—C. W. Patton—Wheat Drill.



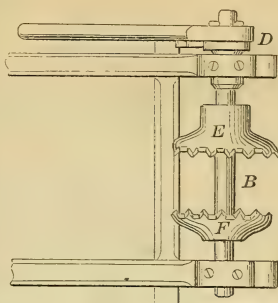
59635—C. Padmore—Shirt Stud.



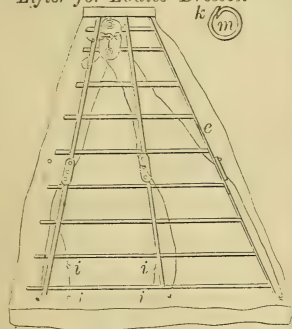
59639—W. P. Penn—Seeding Machine.



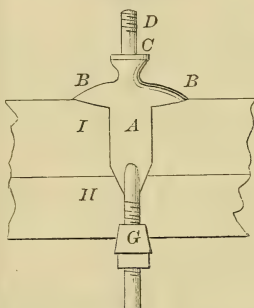
59641—S. Perry—Sawing Machine.



59640—L. C. Pennell—Skirt Lifter for Ladies' Dresses.



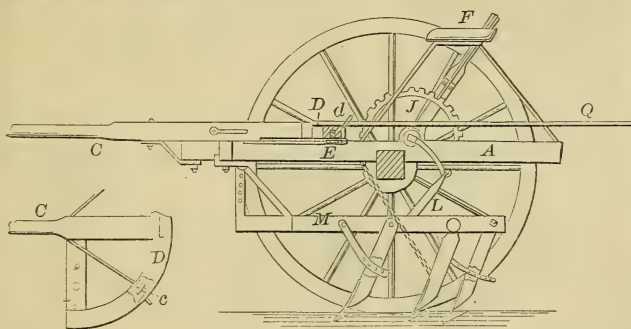
59642—J. Phelps—Carriage King Bolt.



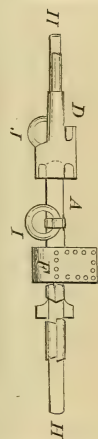
59645—L. Picot—Comb.



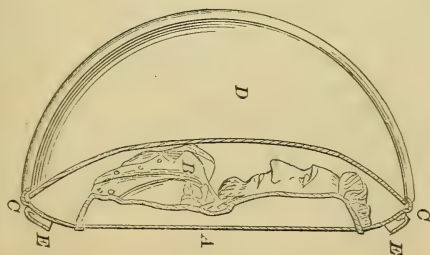
59643—W. W. Philler—Cultivator.



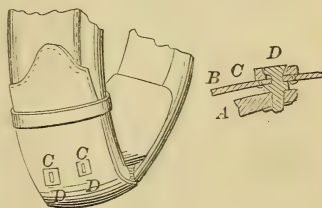
59646—C. W. Powell—Collar and Neck Tie Attachment.

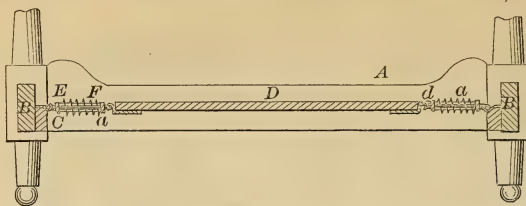
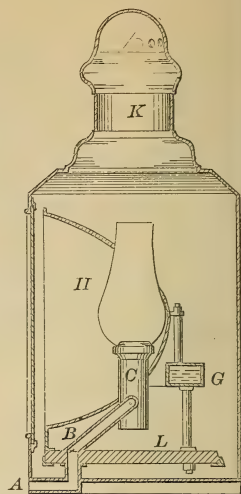
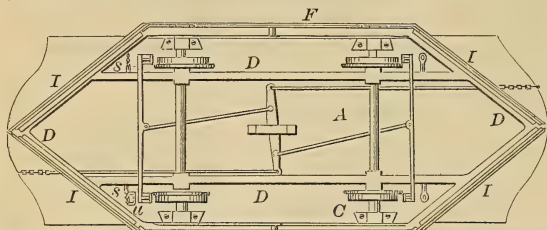
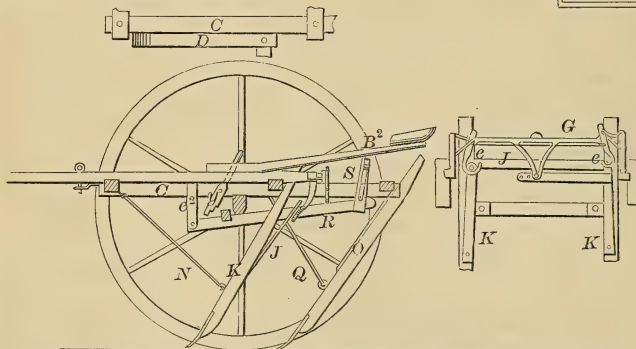
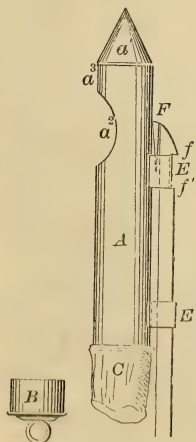
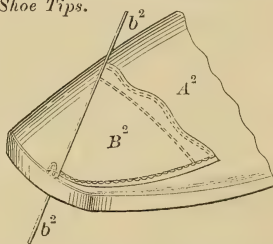
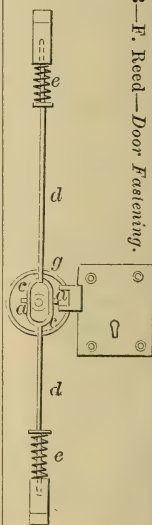
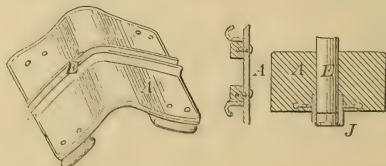


59648—J. Powell—Medallion Case.



59647—I. A. Powell—Horse Collar.



**59649**—D. Punchies—*Bed Bottom Spring.***59650**—J. Radley—*Locomotive Head Light.***59652**—J. R. Reader—*Railroad Car.***59654**—J. J. Reed—*Sulky Plow.***59655**—Richards & Lincoln—*Fruit Picker.***59656**—P. Riley—*Securing Shoe Tips.***59653**—E. Reed—*Door Fastening.***59651**—H. A. Rains—*Cart Harness Saddle.*

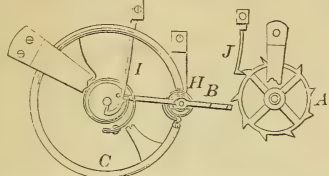
59657—D. T. Robinson—Tool for Drawing Nails.



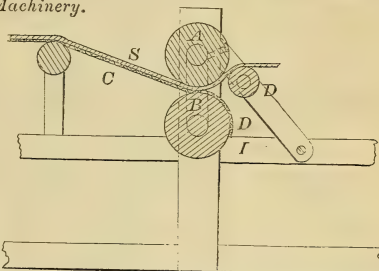
59654—T. Schreiber—Comb.



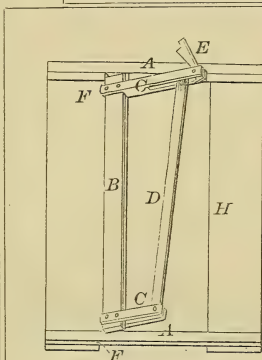
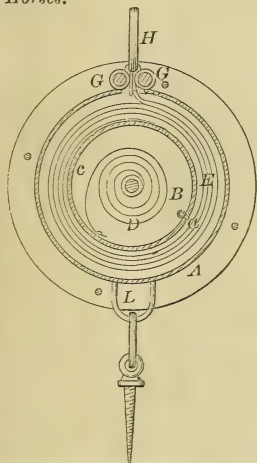
59658—S. W. Robinson—Time Piece Escapement.



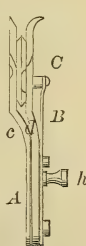
59661—S. G. & G. S. Rogers—Paper Making Machinery.



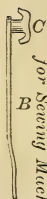
59660—C. Rogers—For Hitching Horses.



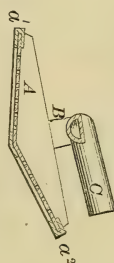
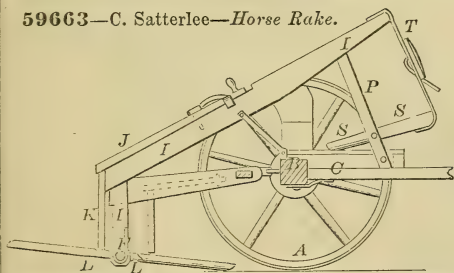
59662—L. S. Safford—Stanchion.



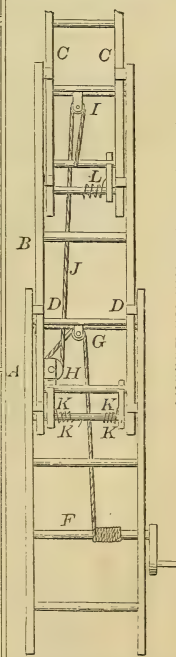
59659—P. Rodier—Loop Check for Sewing Machines.



59663—C. Satterlee—Horse Rake.

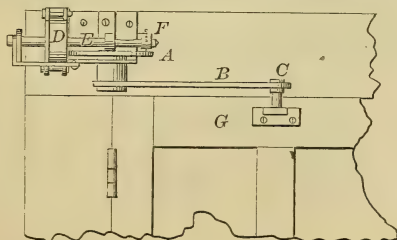


59665—W. B. Seward—Sorghum Steiner.



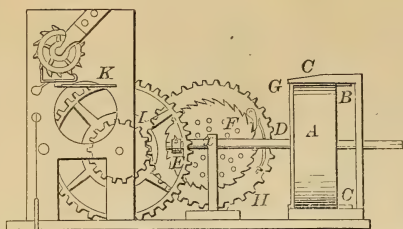
59666—E. Slater—Fruit Extension Ladder.

59667—G. K. Coates—Mechanism for Closing Doors.

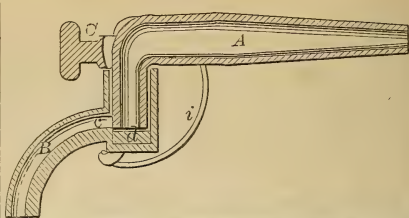




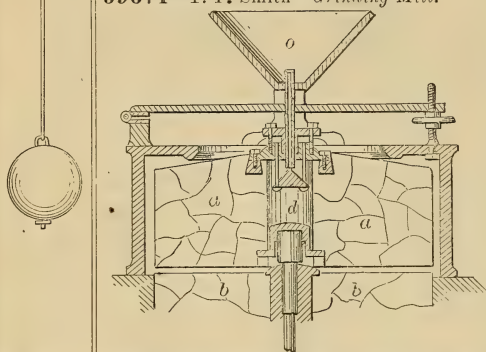
59668—Equalizing Spring for Clock Movements.



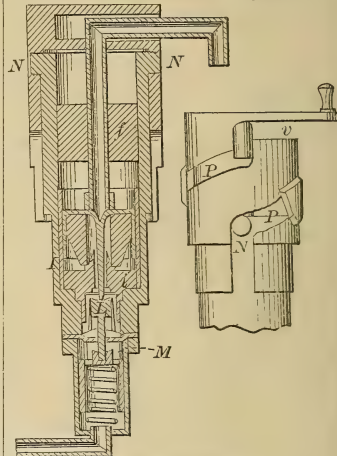
59672—J. N. Smith—Faucet.



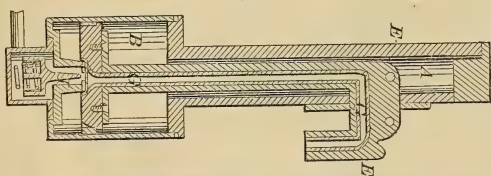
59674—T. F. Smith—Grinding Mill.



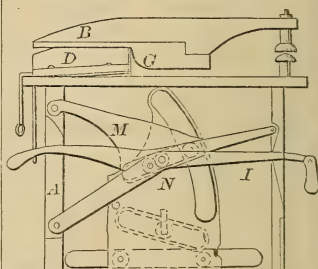
59670—J. N. Smith—Hydrant.



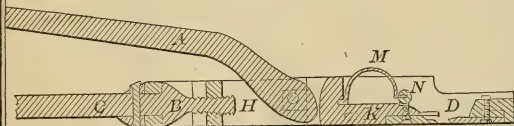
59671—J. N. Smith—Hydrant.



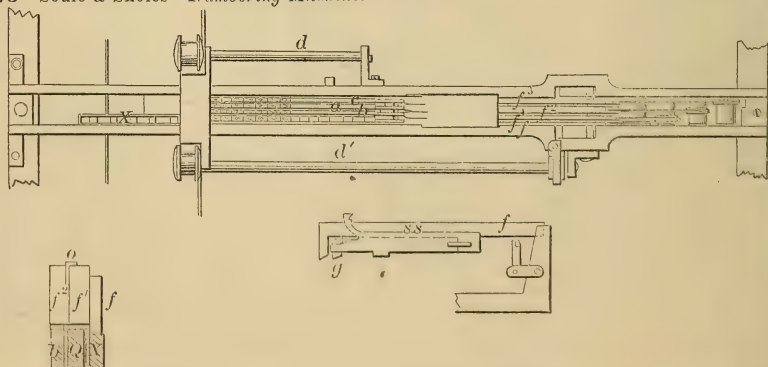
59669—J. N. Smith—Foot Press.



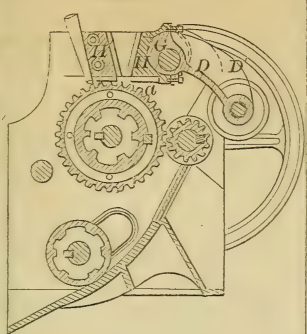
59673—A. J. Smith—Bolt Cutter.



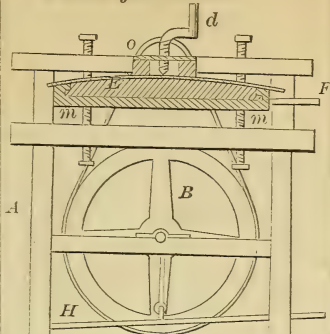
59675—Soule &amp; Sholes—Numbering Machine.



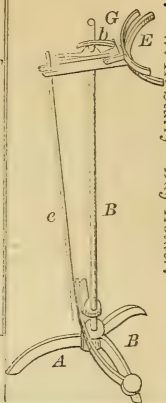
59676—C. W. Stafford—*Ore Crusher.*



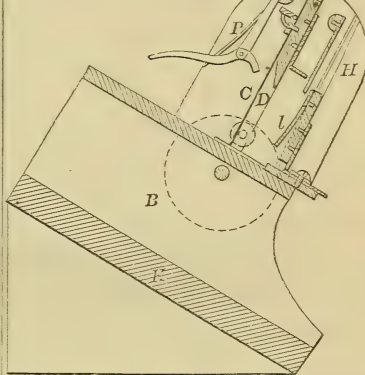
59683—D. S. Trout—*Wheelwright's Machine.*



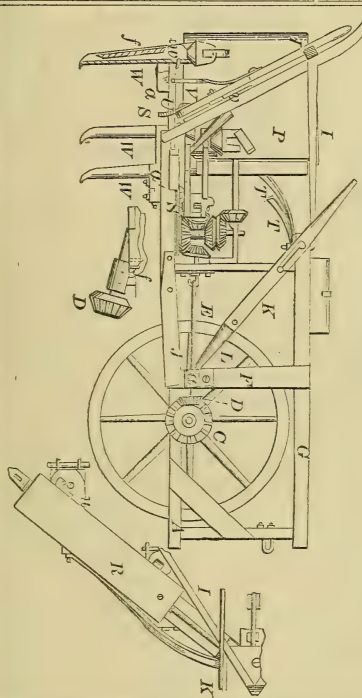
59677—W. H. Sturry—*Bug Holder.*



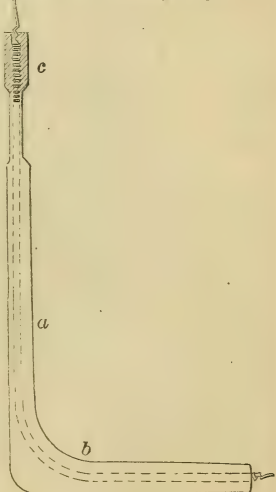
59680—T. Tebbetts—*For Creasing Paper Collars.*



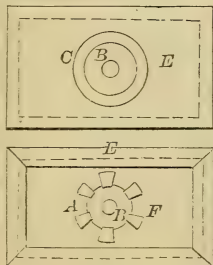
59681—H. Thomason—*Seeding Machine.*



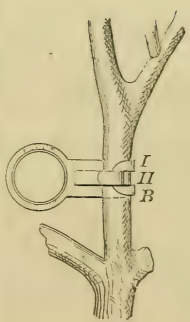
59684—H. Tucker—*Venting Core for Foundry Purposes.*

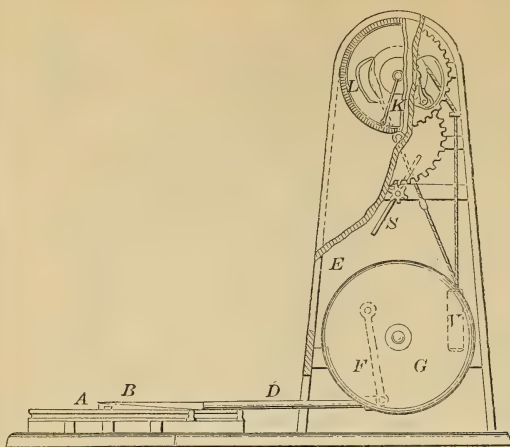
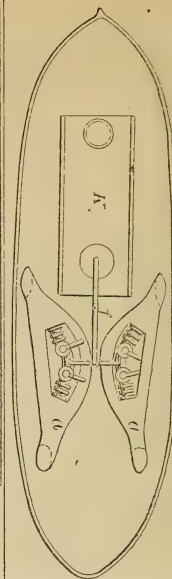
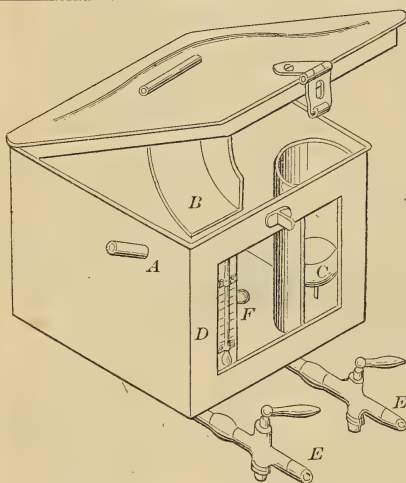
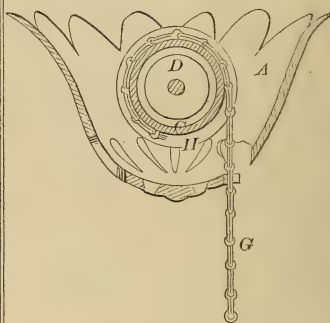
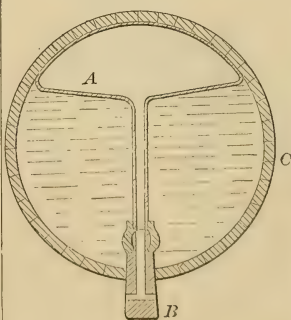
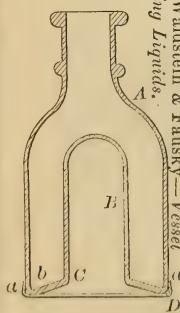
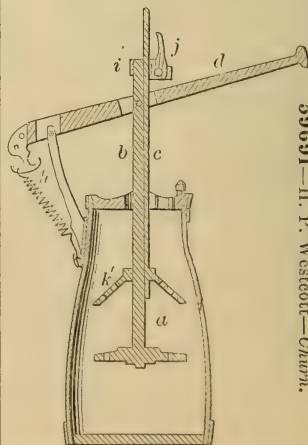


59679—S. C. Talcott—*Elastic Button Hole for Carriage Curtains.*



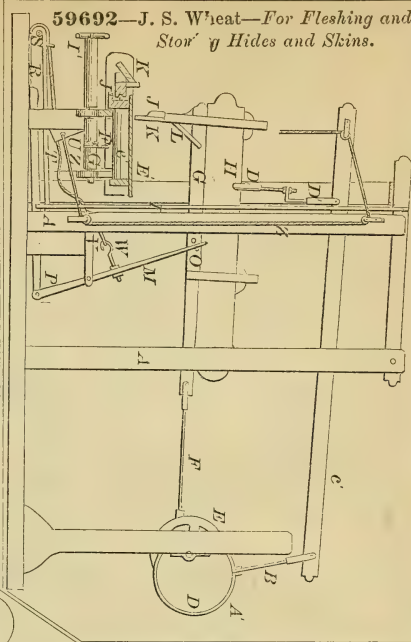
59678—G. W. Storer—*Tag or Label.*



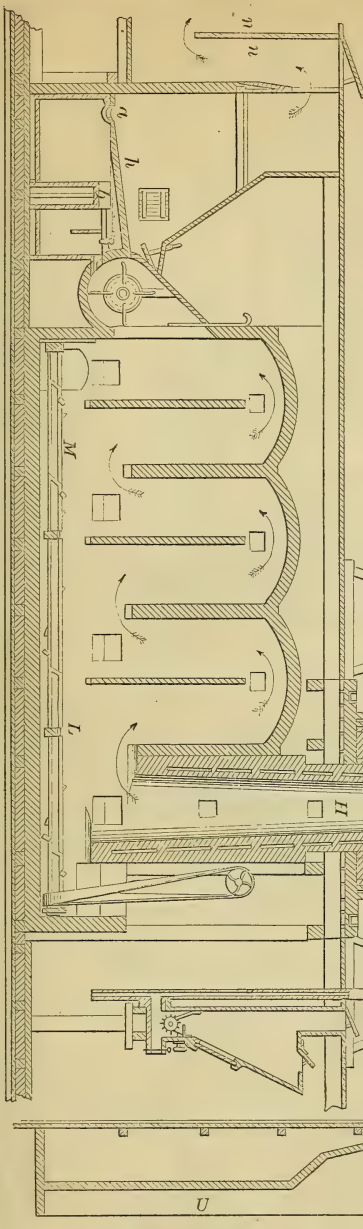
59685—E. B. Van Winkle—*Station Indicator for Railways.*59686—A. W. Von Schmidt—*Steam Propeller for Boats.*59689—H. Weed—*Suspension Device for Lamps, &c.*59688—W. J. Walker—*Apparatus to be attached to Sills to prevent Fraud on the Revenue.*59690—D. Wernz—*For Preserving Beer while on Draught.*59687—Walstein & Fausky—*Vessel for Cooling Liquids.*59691—H. P. Westcott—*Churn.*



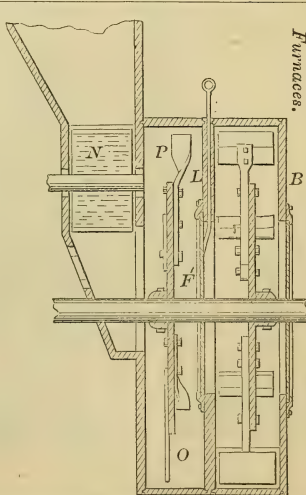
**59692**—J. S. Wheat—*For Fleshing and Storing Hides and Skins.*



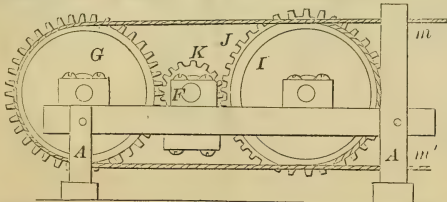
**59696**—Whelpley & Storer—*For Obtaining Metals and other Products from Ores and Minerals.*



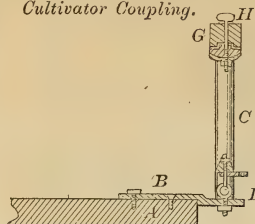
**59685**—Whelpley & Storer—*For Feeding Fuel to Furnaces.*



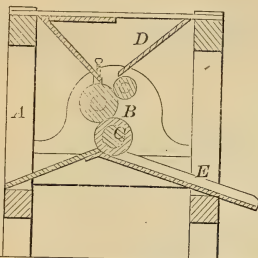
**59687**—S. B. Whiting—*Rope Driving Machine.*



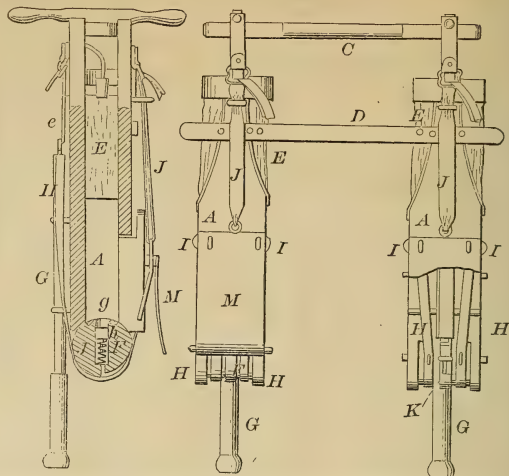
59698—S. M. Whitney—  
Cultivator Coupling.



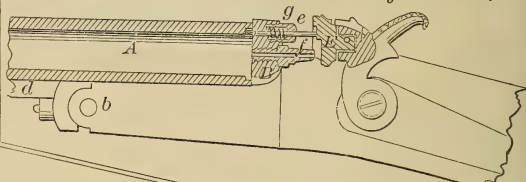
59700—J. H. Williams—  
Cider Mill.



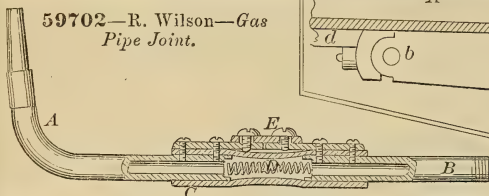
59703—R. M. Yorks—Corn Planter.



59706—P. Bourdreaux—Breech-Loading Fire Arm.



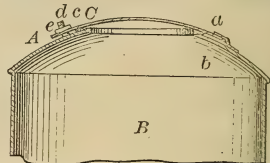
59702—R. Wilson—Gas  
Pipe Joint.



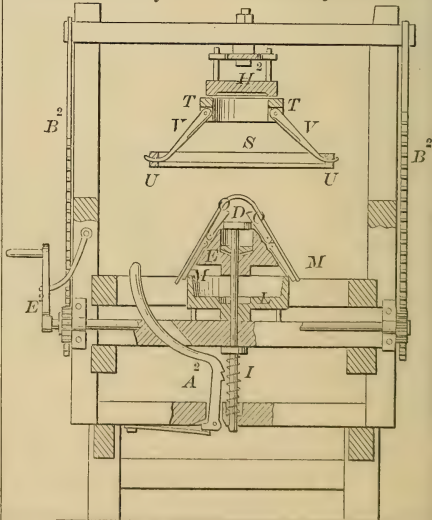
59701—Williamson & Richardson—Rolling Pin, &c.



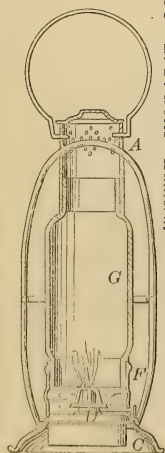
59699—G. Williams—Fruit Jar.



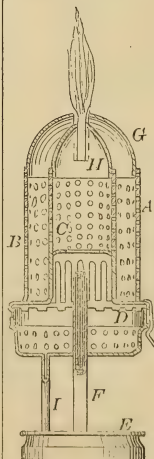
59707—S. Boyden—Hat Blocking Machine.



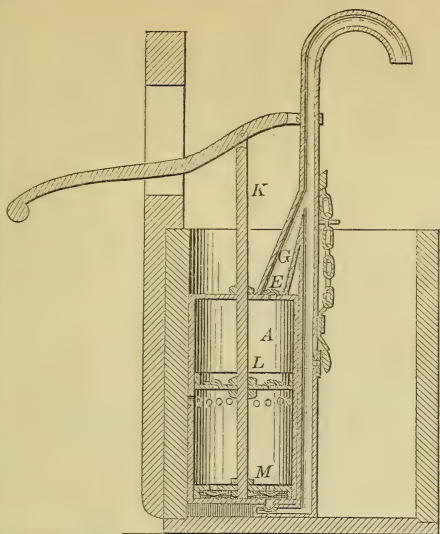
59705—L. F. Betts—Lantern.



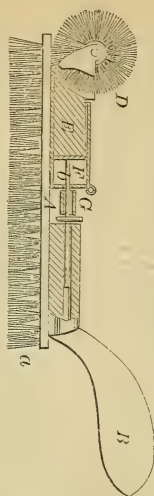
59704—J. K. Andrews—Lamp Burner.



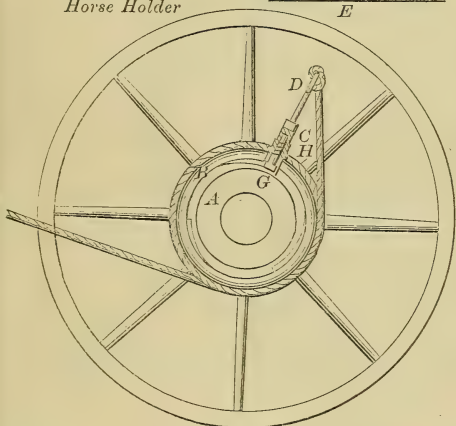
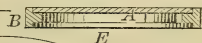
59708—J. W. Cahill—Pump.



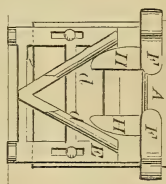
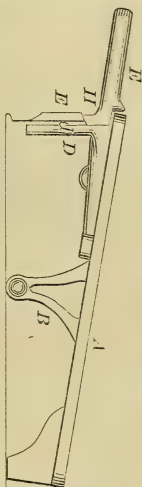
59711—T. B. De Forest—Hoop Skirt Wire.  
59709—F. M. Carnes—Shoe and Store Brush.



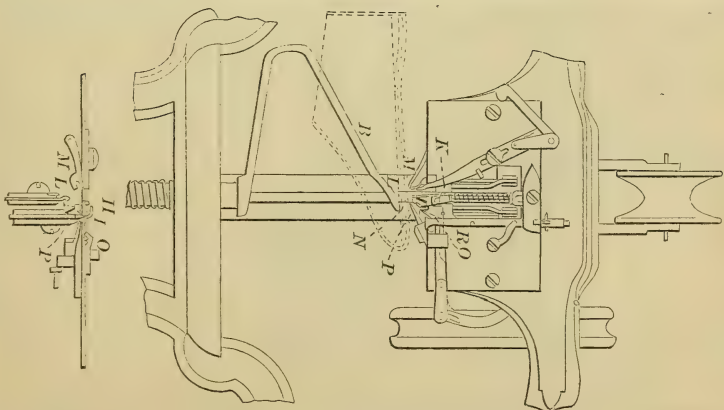
59710—W. B. Chapman—  
Horse Holder



59712—H. N. Degraw—Boot Jack.

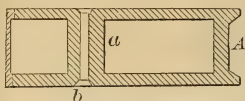


59715—W. Duchemin—Sewing Machine  
for Sewing Soles, &c.

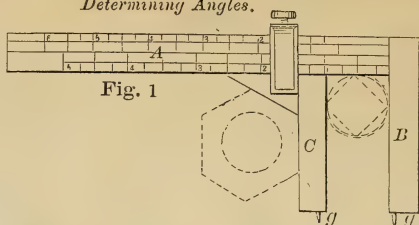




**59716**—J. B. Fontaine—*Hollow Pressure Plate.*



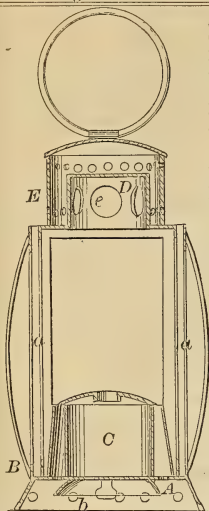
**59721**—E. C. C. Kellogg—*Gauge for Determining Angles.*



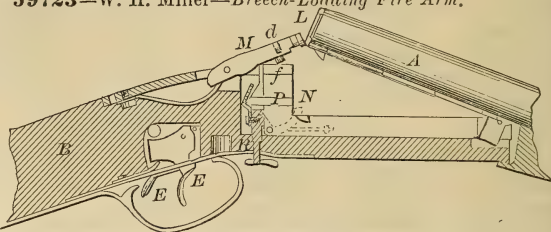
**59718**—C. W. Holland—*Knob Hole for Carriage Curtains.*



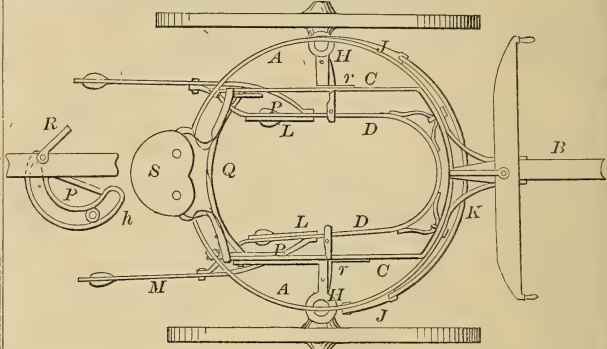
**59717**—J. O. Harris—*Lantern.*



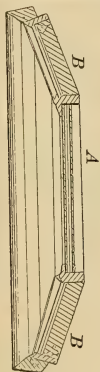
**59723**—W. H. Miller—*Breech-Loading Fire Arm.*



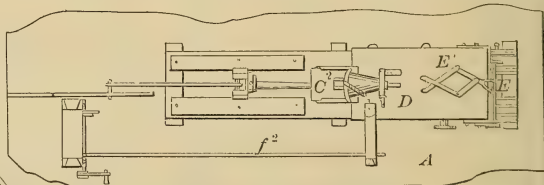
**59720**—H. C. Hunt—*Cultivator.*



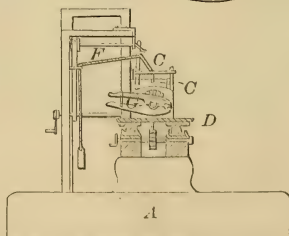
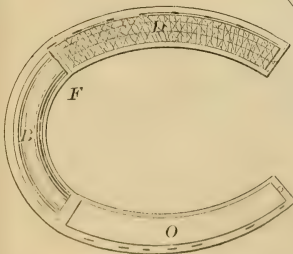
**59719**—A. J. Holmes—*Picture Frame.*



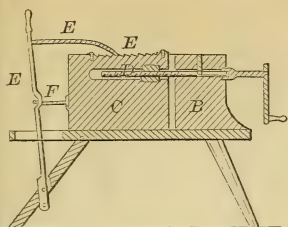
**59726**—Schrick & Hildenbrand—*For Filling Horse Collars.*



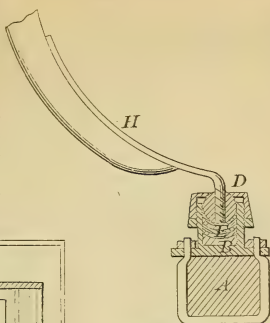
**59725**—J. I. Peyton—*Horse Shoe.*



**59727**—Schrick & Hildenbrand—  
*Stretching Horse Collars.*



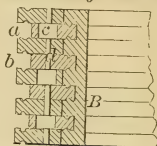
**59728**—T. S. Smith—  
*Carriage Shackle.*



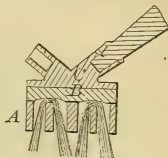
**59735**—W. Hugo—  
*Umbrella.*



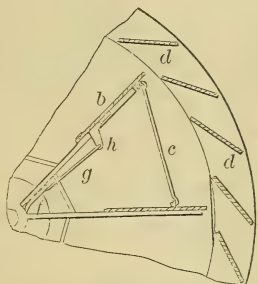
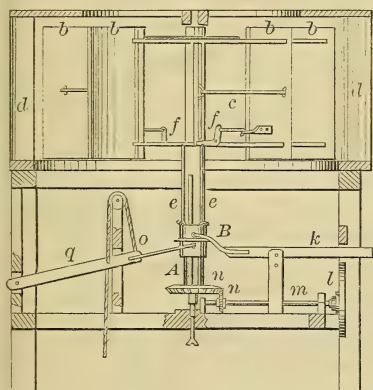
**59730**—A. Tanner—  
*Constructing Buildings.*



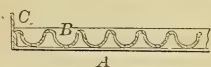
**59733**—T. Wright—  
*Broom.*



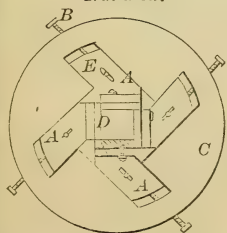
**59729**—D. Strunk—  
*Wind Mill.*



**59732**—S. West—  
*Baking Pan.*



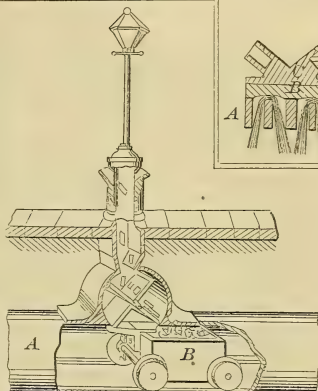
**59731**—J. Turner—  
*Adjustable Nut Box.*



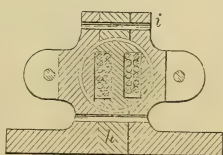
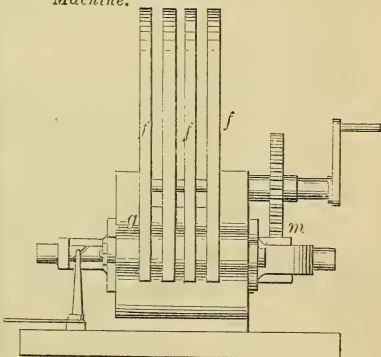
**59737**—G. L. Tunney—  
*Needle Case.*

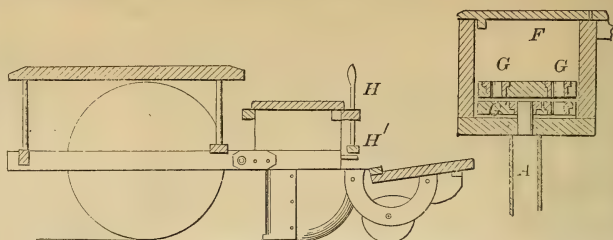
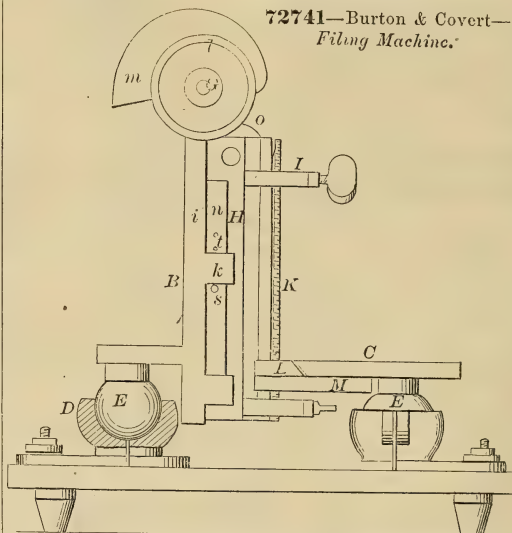
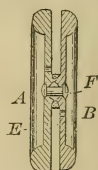
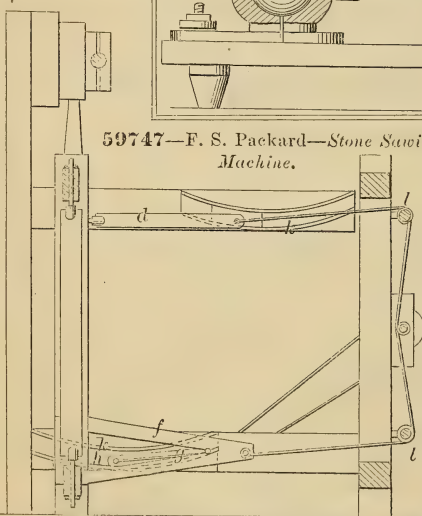
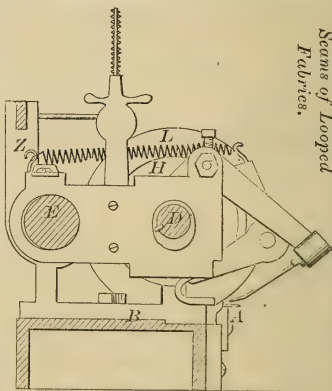
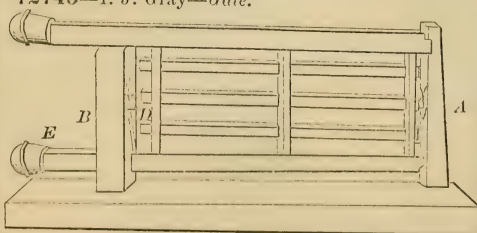
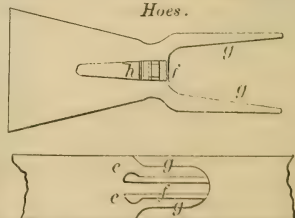


**59739**—A. E. Beach—  
*Receiving and Delivering Letters, Parcels, &c.*



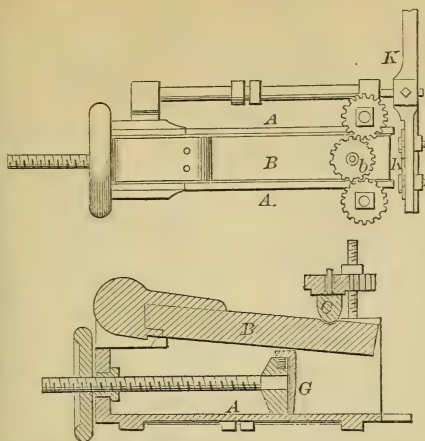
**59738**—H. Wilde—  
*Magneto-Electric Machine.*



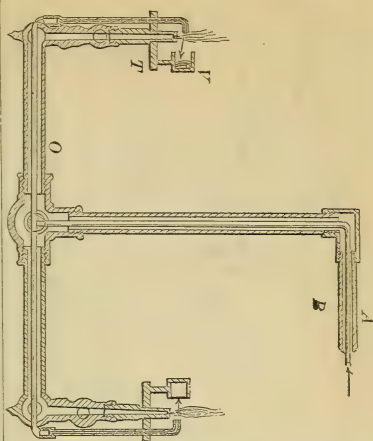
59742—W. R. Butler—*Corn Planter.*72740—P. Ainsworth—*Well Drill.*72741—Burton & Covert—*Filing Machine.*72745—Haven & Hettrick—*Bandalore.*59747—F. S. Packard—*Stone Sawing Machine.*59746—E. E. Kilbourn—*For Sewing the Seams of Looped Fabrics.*72743—I. J. Gray—*Gate.*59744—R. Harper—*Manufacture of Hoes.*



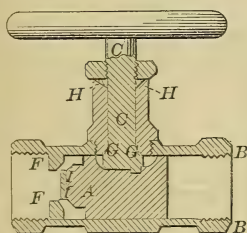
59748—S. G. Rice—*Tobacco Press and Cutter.*



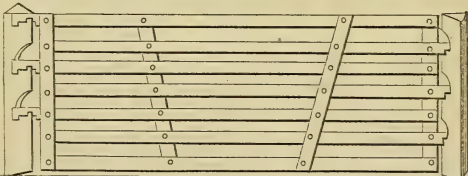
59754—A. Barbarin—*Lighting Gas.*



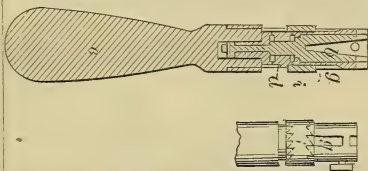
59752—G. E. Whitmore—*Stop Valve for Steam Pipes.*



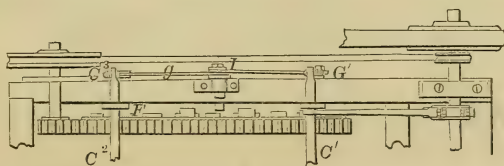
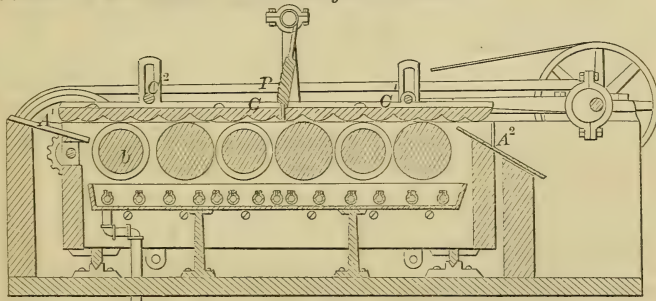
59753—G. W. Balding—*Gate and Gate Post.*



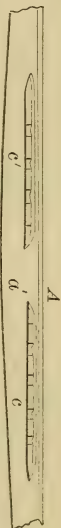
59757—C. W. Bioren—*Tool Handle.*

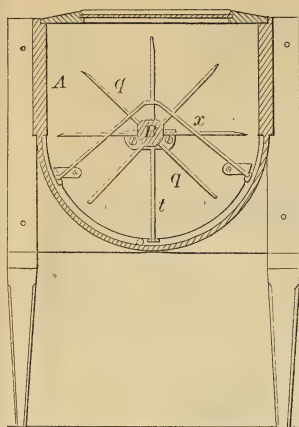
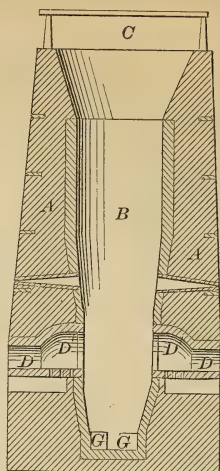
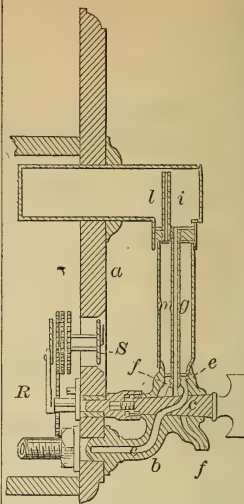
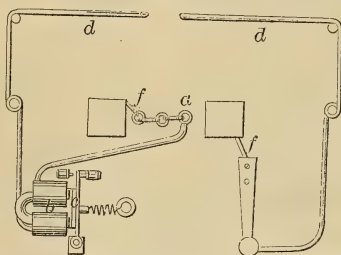
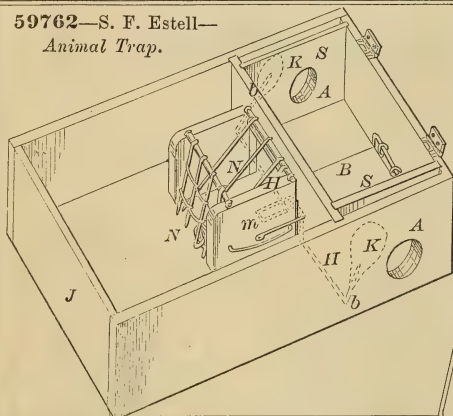
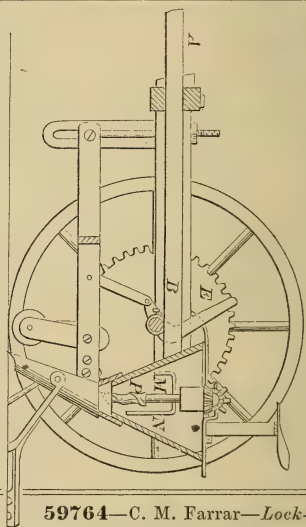
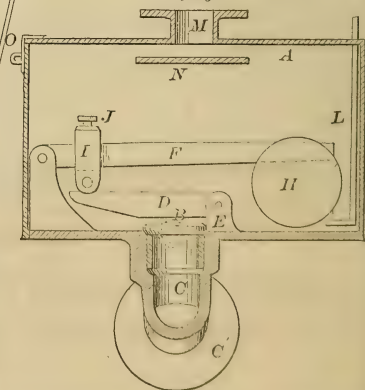
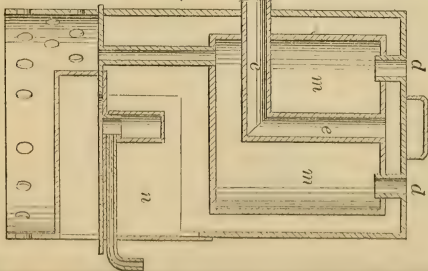


59758—J. W. Blackham—*For Felting Hat Bodies.*

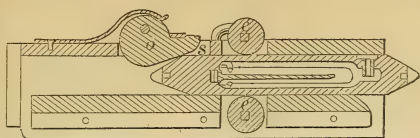


59755—H. J. Batchelder—*Horse Shoe Blank.*

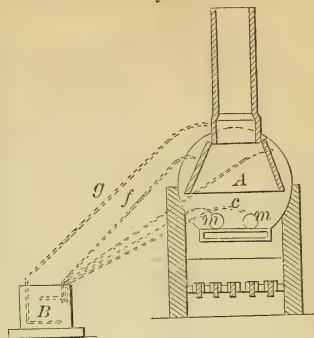


59759—J. C. Bodine—*Churn.*59760—U. Cummings—*Lime Kiln.*59761—F. K. Dutton—*For Measuring Liquids.*59763—Farmer & Milliken—*Telegraph Line Wire.*59762—S. F. Estell—*Animal Trap.*59765—Fell & Phifer—*Cotton Seed Planter.*59764—C. M. Farrar—*Lock-up Safety Valve.*59766—C. A. Harper—*Coal Oil Store.*

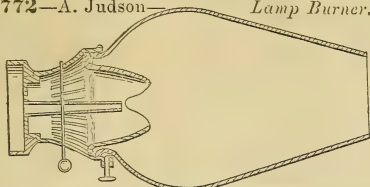
**59767**—J. J. & E. Harrison—For Operating the Shuttles in Looms.



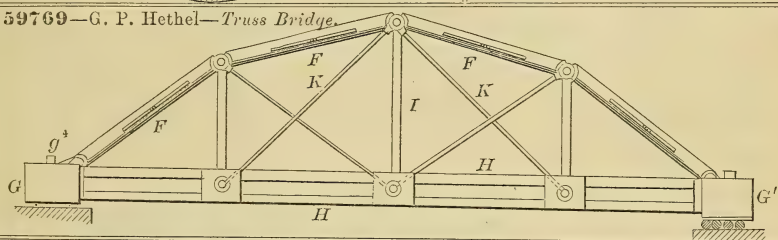
**59768**—A. T. Hay—For Preventing Incrustation of Steam Boilers.



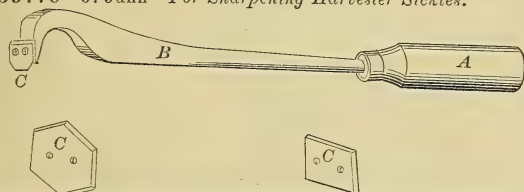
**59772**—A. Judson—Lamp Burner.



**59769**—G. P. Hethel—Truss Bridge.



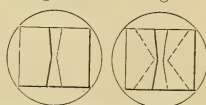
**59770**—J. Jann—For Sharpening Harvester Sickles.



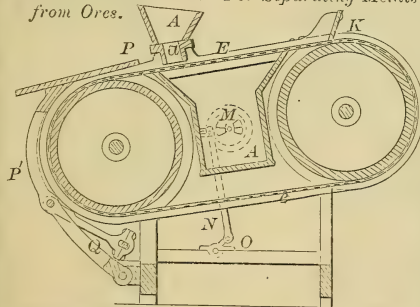
**59778**—J. C. Plumer—Die for Cutting and Pointing Wire.

Fig. 3

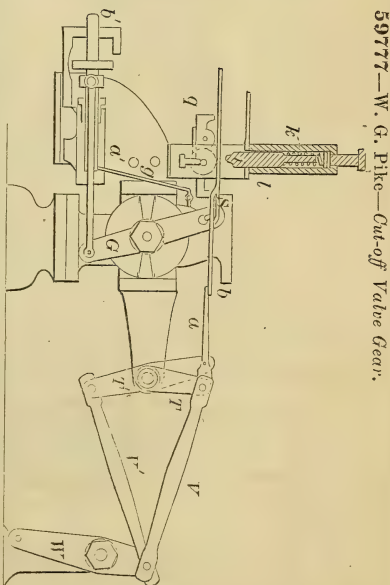
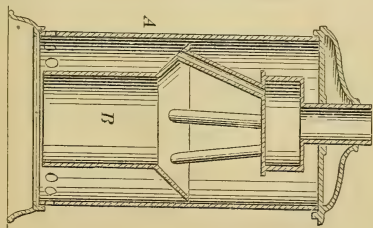
Fig. 4



**59773**—S. R. Krom—For Separating Metals from Ores.



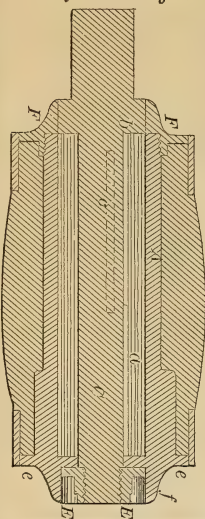
**59775**—J. S. Marsh—Coal Store.



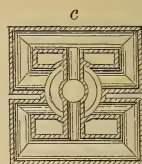
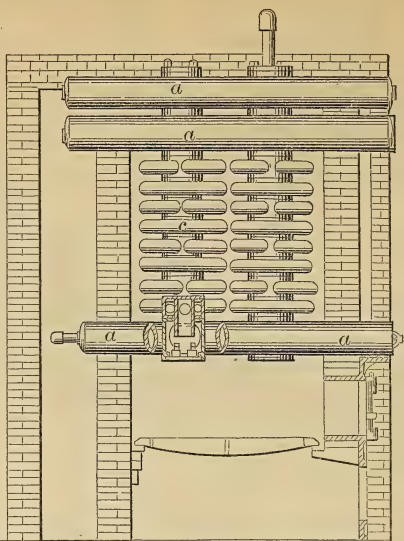
**59777**—W. G. Pike—Cut-off Valve Gear.



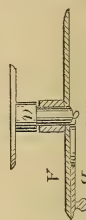
**59779**—S. S. Putnam—*Self-Lubricating Axle Box for Carriages.*



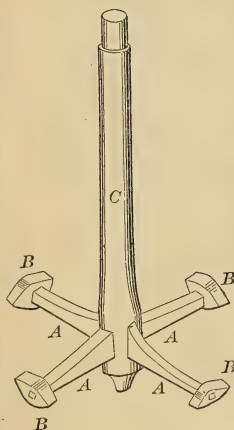
**59780**—E. Reynolds—*Steam Generator.*



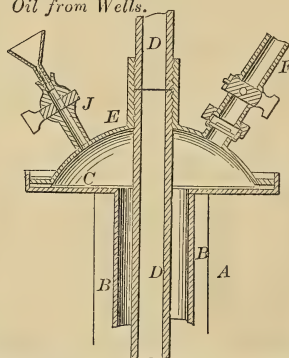
**59783**—R. T. Smith—*For Binding Circular Paper or other Fans*



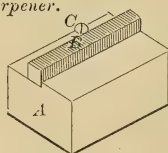
**59781**—J. T. Rittenhouse—*Churn Dasher.*



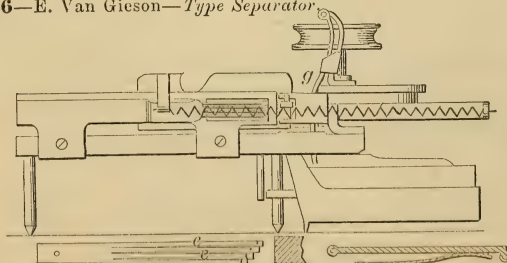
**59782**—W. Shoupe—*For Obtaining Oil from Wells.*



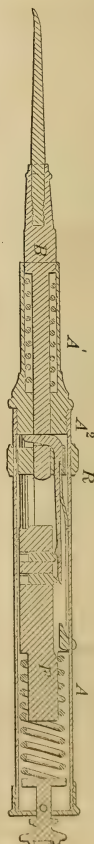
**59785**—J. J. Tobey—*Scissors Sharpener.*



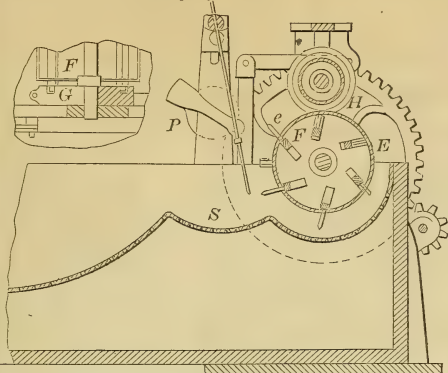
**59786**—E. Van Gieson—*Type Separator.*



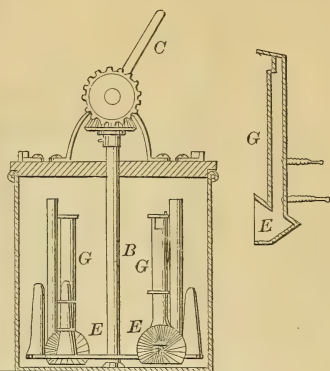
**59784**—Snow & Lewis—*Dental Plugging Instrument.*



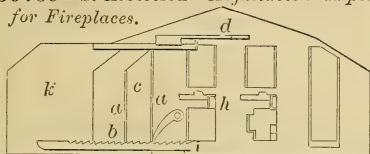
59788—J. & W. Yewdall—For Washing and Drying Wool.



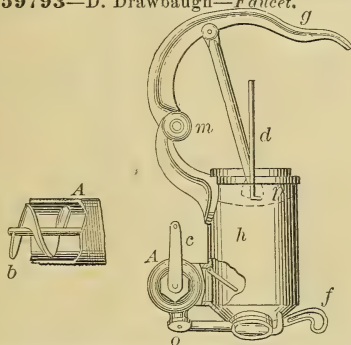
59790—J. Davis, 2d—Churn.



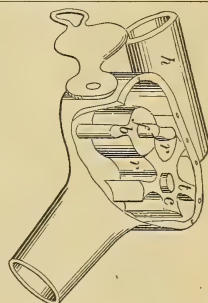
59789—S. Albertson—Adjustable Dumper for Fireplaces.



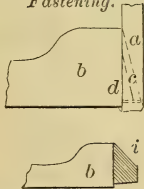
59793—D. Drawbaugh—Faucet.



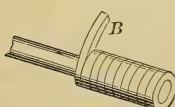
59792—D. Drawbaugh—Faucet.



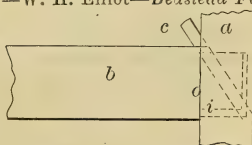
59794—W. H. Elliot—Bedstead Fastening.



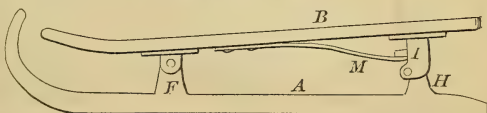
59798—J. B. Forsyth—Clothes Wringer Roller.



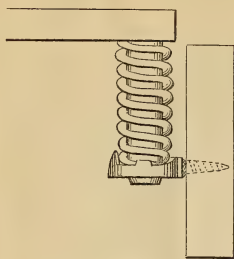
59795—W. H. Elliot—Bedstead Fastening.



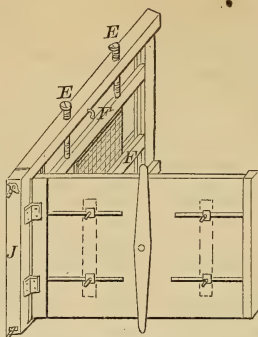
59796—A. W. Elmer—Skate.



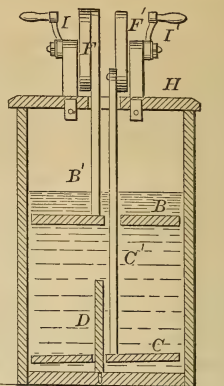
59799—R. Lapham—*Spring Holder for Bed Bottoms.*



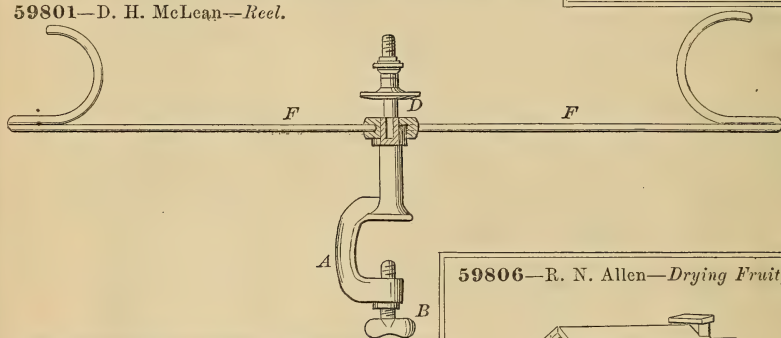
59800—C. L. Lochman—*Photographic Printing Frame.*



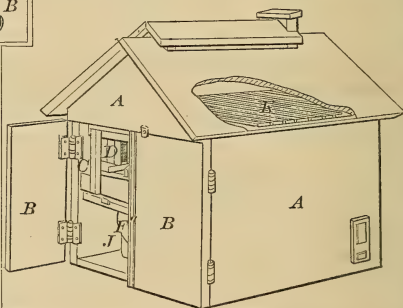
59802—E. McMillan, Jr.—*Churn.*



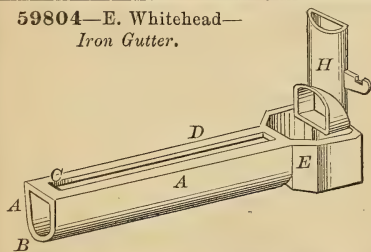
59801—D. H. McLean—*Reel.*



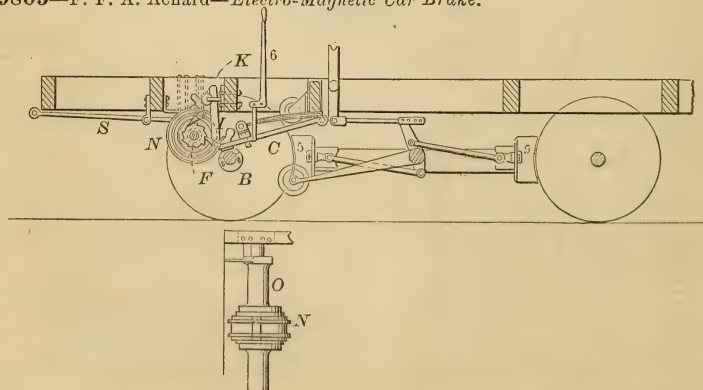
59806—R. N. Allen—*Drying Fruit, &c.*



59804—E. Whitehead—*Iron Gutter.*

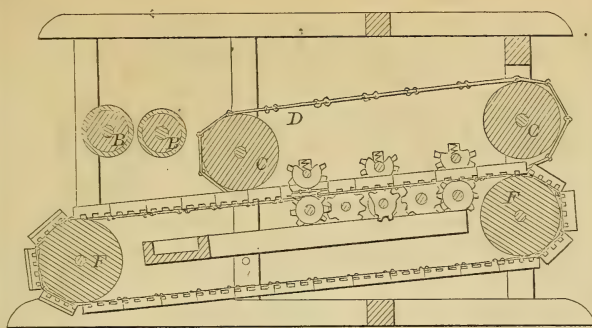


59805—F. F. A. Achard—*Electro-Magnetic Car Brake.*

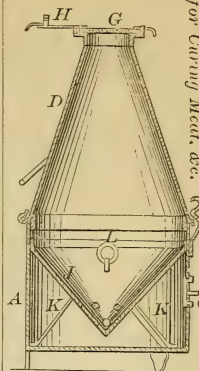




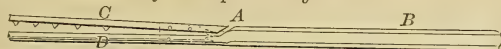
59807—T. Appelget—Cider Mill.



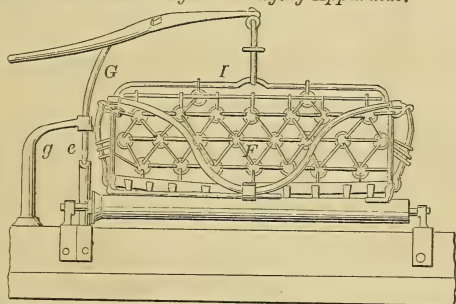
59809—J. I. Baringer—Smoke Furnace for Curing Meats, &c.



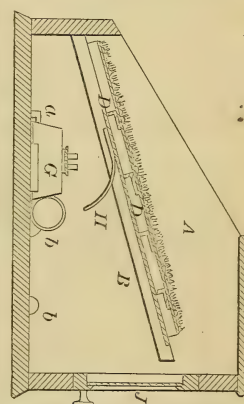
59808—F. Ashley—Lamp Chimney Cleaner.



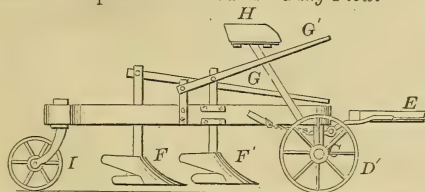
59812—W. Belbin—Oyster Dredging Apparatus.



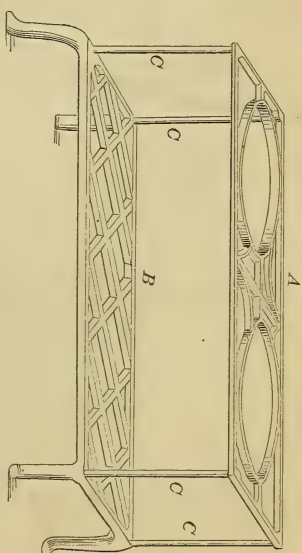
59810—W. F. Bartlett—Lantern and Foot Warmer.



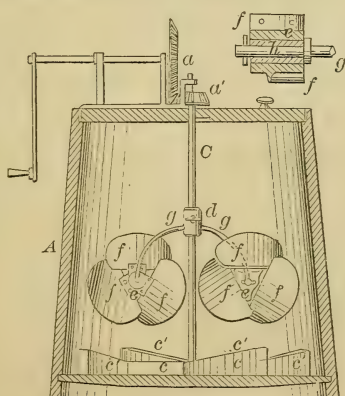
59813—Bequeret & Dumoulin—Gang Plow.



59814—F. Bowman—Stove Cricket.

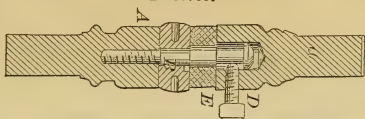


59811—E. H. Beckwith—Churn.

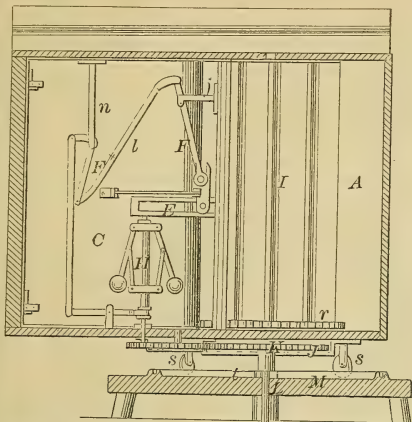




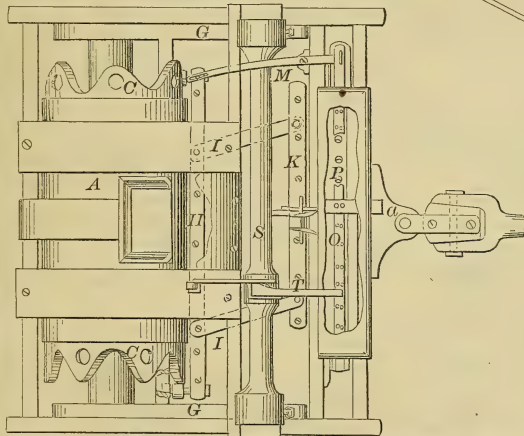
59823—J. V. C. Crate—Rod of Punching Presses.



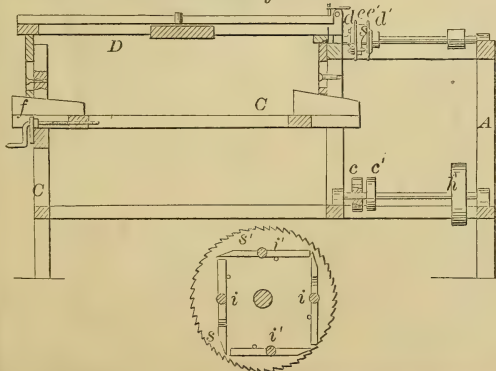
59828—J. C. Fay—Wind Wheel.



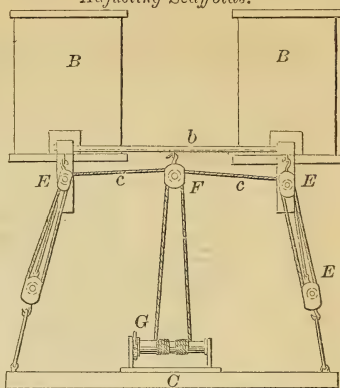
59827—A. Fairchild—Seeder and Harrow.



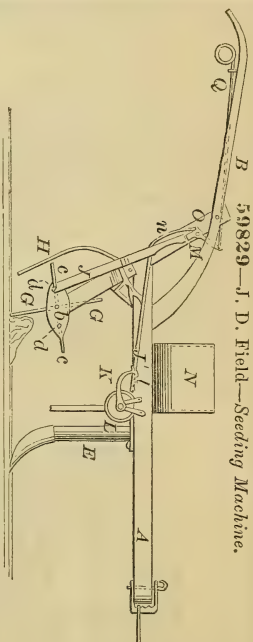
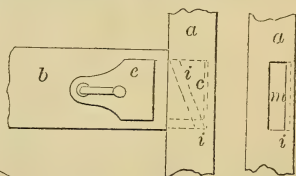
59826—D. Evers—Tenoning Machine.



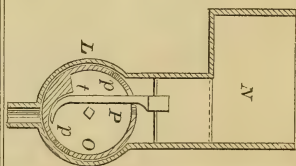
59824—W. A. Devon—For Holding and Adjusting Scaffolds.



59825—W. H. Elliot—Bedstead Fastening.



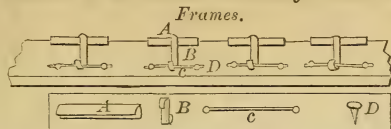
59829—J. D. Field—Seeding Machine.



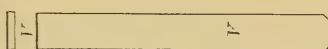




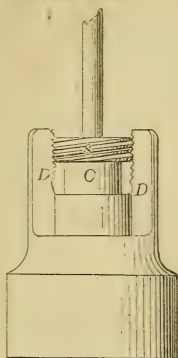
59836—S. W. Hanks—Attaching Pictures to Frames.



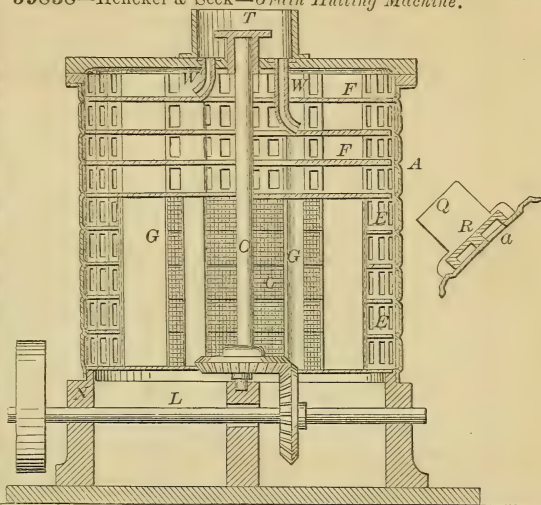
59839—I. L. Hoard—Lamp Wick.



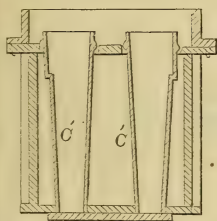
59837—W. Harsen—Stuffing Box.



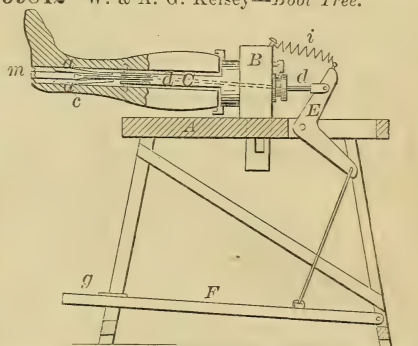
59838—Henckel & Seck—Grain Hulling Machine.



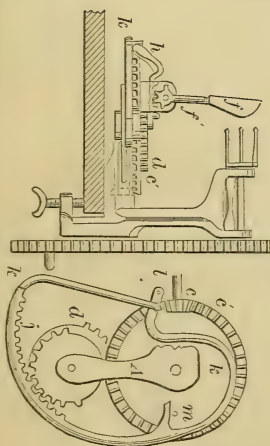
59840—J. G. Holt—Making Sand Cores for Axle Sheins and Hub Boxes.



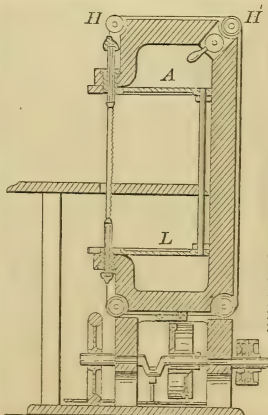
59842—W. & A. G. Kelsey—Boot Tree.



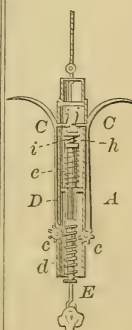
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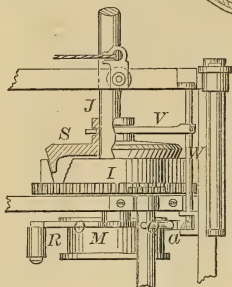
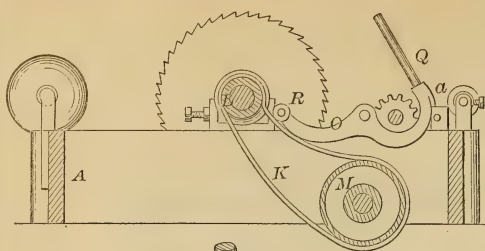
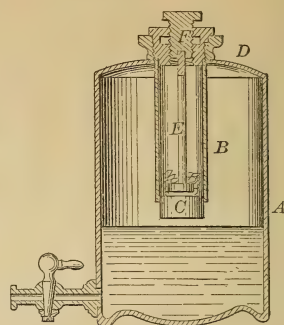
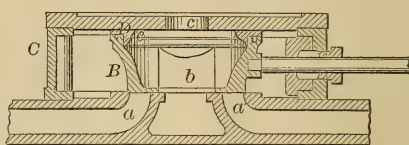
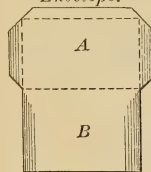
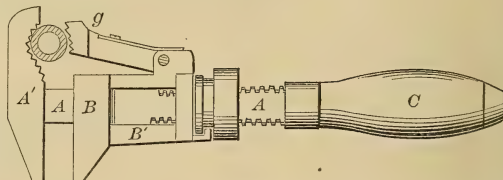
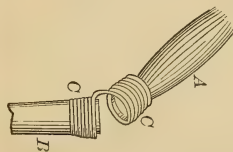
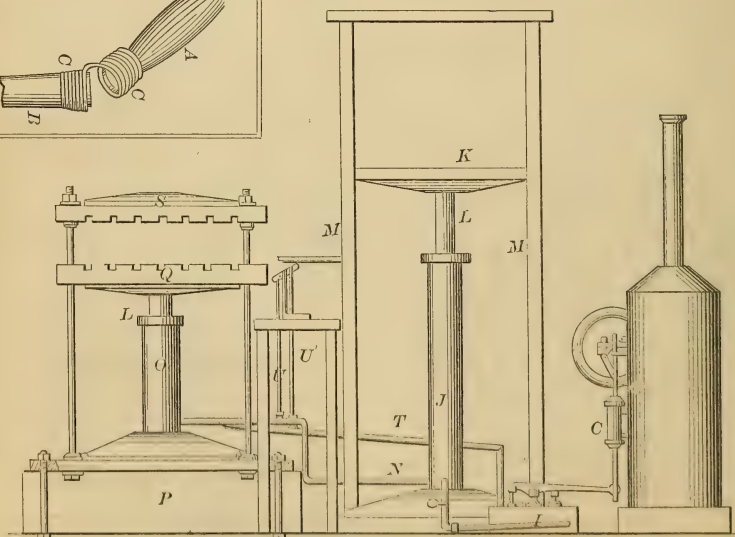


59841—S. Jackson, Jr.—Saw Mill.



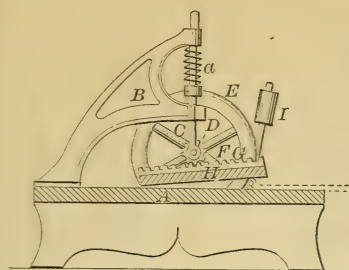
59844—J. King—Spring Fish Hook.



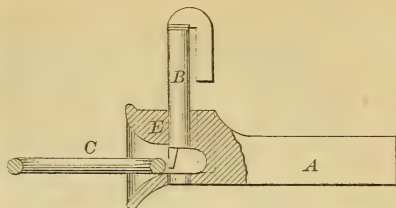
59846—D. Lane—*Saw Mill.*59847—J. R. Laurent—*For Extinguishing Fires.*59848—J. Lochhead—*Balanced Slide Valve.*59849—R. Magee—*Envelope.*59852—J. McLaren—*Wrench.*59850—J. Marchbank—*Paint Brush.*59853—T. E. McNeill—*Cotton Press.*



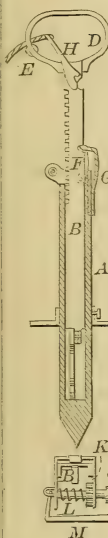
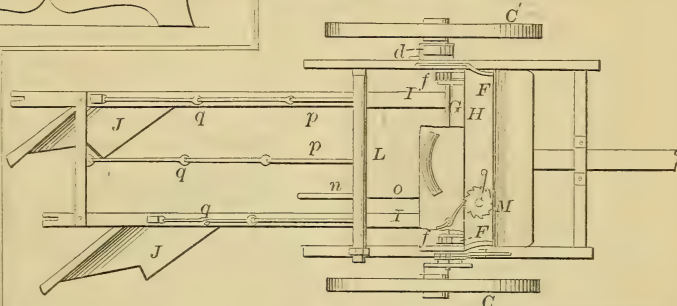
59854—C. V. Mead—For Rolling Rubber.



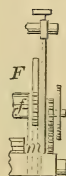
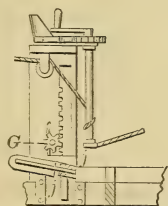
59858—T. S. Minniss—Car Coupling.



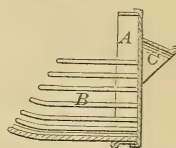
59855—P. Merkel—Gang Plow.



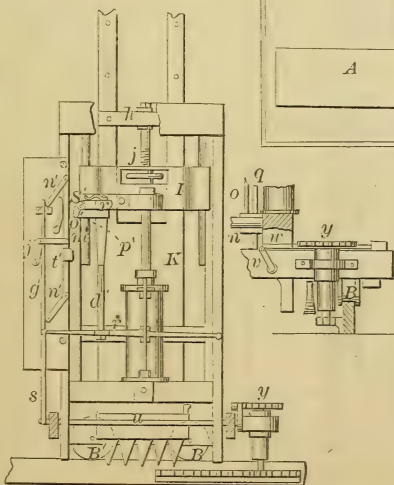
59859—H. Neumeyer—Horse Hay Fork.



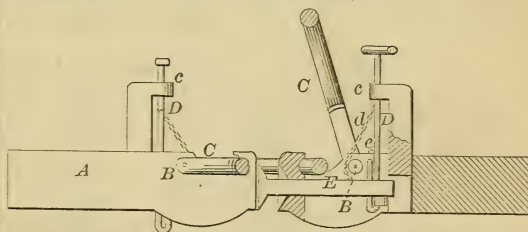
59857—E. D. Miller—Cranberry Gatherer.



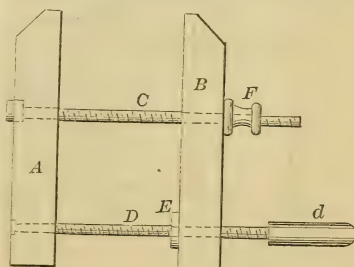
59856—Merriman & Ross—  
For Channeling Stones.



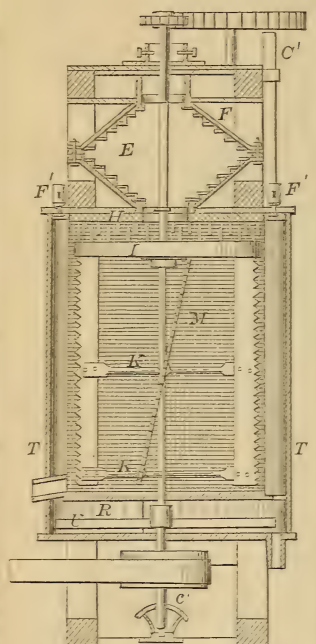
59860—H. L. Ogden—Car Coupling.



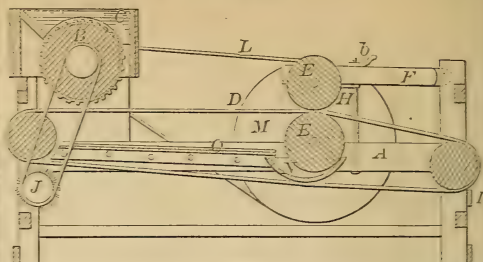
59861—W. Ormesby—Hand Screw Clamp.



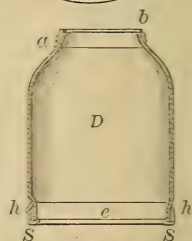
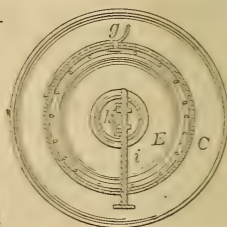
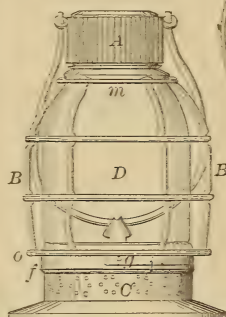
59862—G. H. Reynolds—  
Bray Duster.



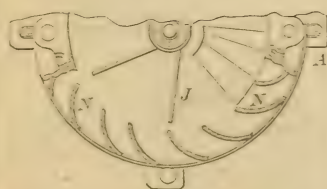
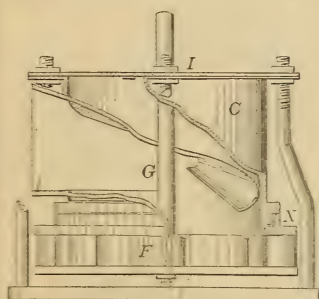
59864—W. Shaw—Cider Mill.



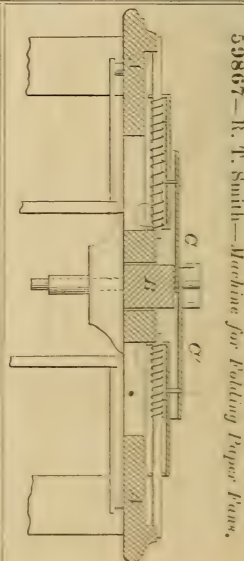
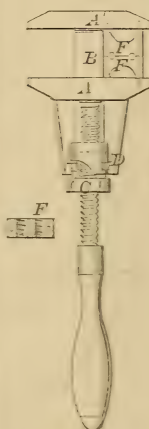
59865—A. G. Smith—  
Lantern.



59863—J. L. Rumrill—Water Wheel.

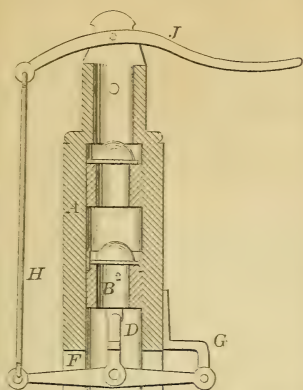


59866—J. A. Smith—Pool.

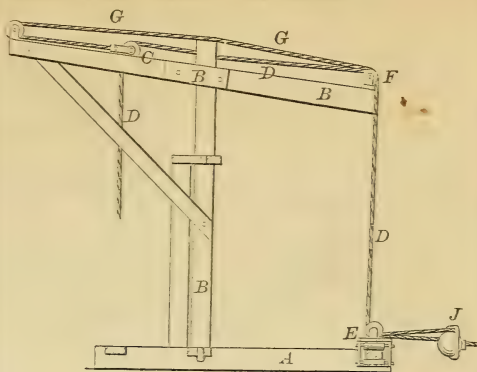


59867—R. T. Smith—Machine for Folding Paper Fans.

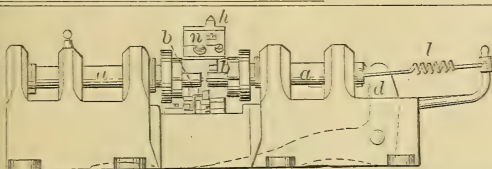
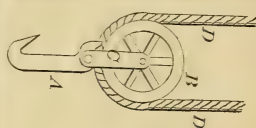
59869—W. P. Squire—Pump.



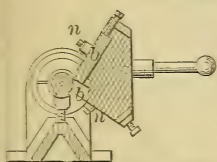
59870—W. P. Squire—Hay Derrick.



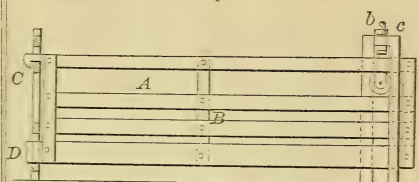
59874—J. S. Tibbets—Pulley.



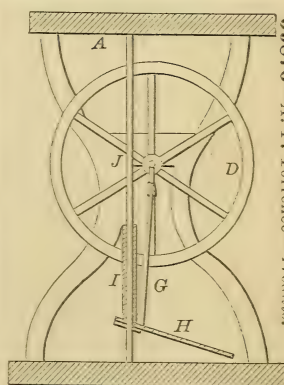
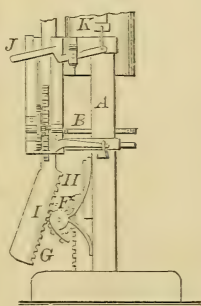
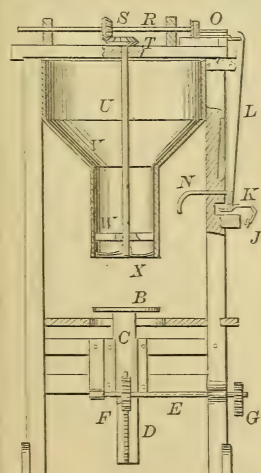
59871—D. H. Stephens—  
For Making Rule Joints.



59873—F. F. Terry—Farm Gate.

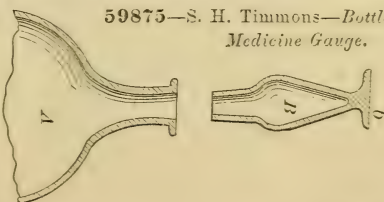


59872—L. W. Feeter—Flour Packer.



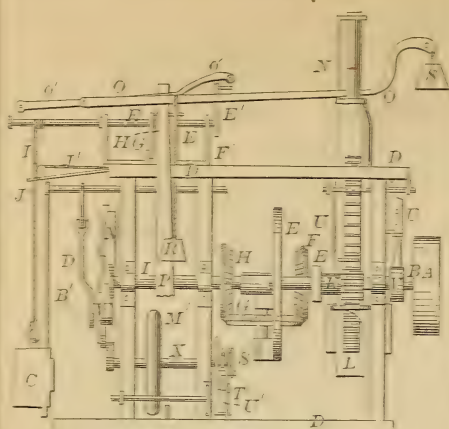
59876—A. P. Torrence—Treuckle.

59875—S. H. Timmons—Bottle Stopper and  
Medicine Gauge.

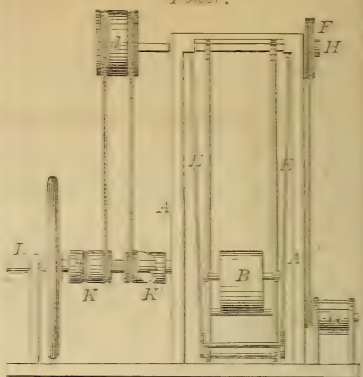





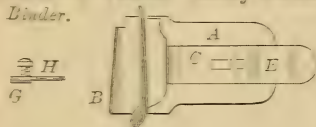
59877—E. Towers—*Vibrating Governor.*



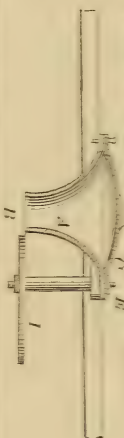
59878—Valentine & Longton—*Sizing Power.*



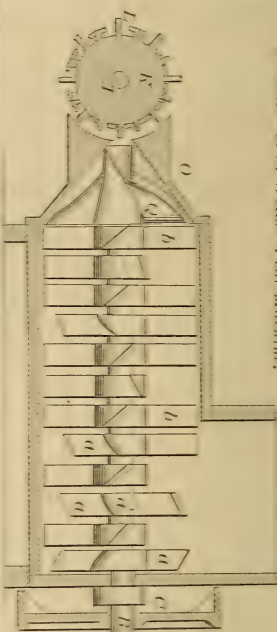
59879—G. Vincent—*Sewing Machine Binder.* 



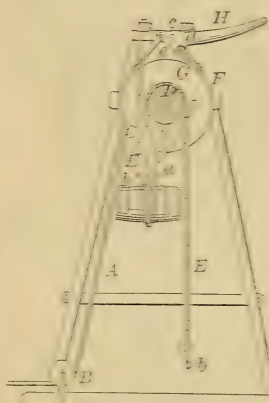
50001 A. H. Wells Railroad Car Sptoon



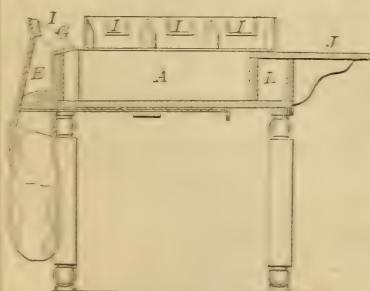
BOOKS—T. J. Welch—Foot Machine.



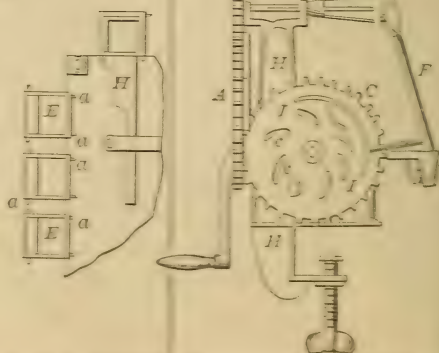
BOOKED BY L. Watson Binding Department



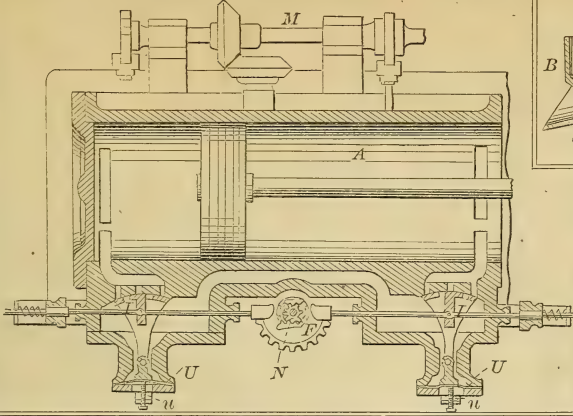
59883—G. Whitaker—*Distributing Table.*



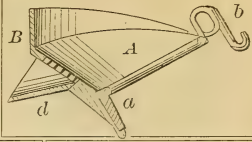
59884—D. H. Whittemore—  
 3 Apple Paper.



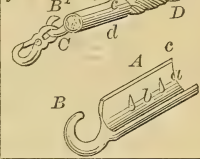
59886—W. Wright—Steam Engine Cut-off Valve Gear.



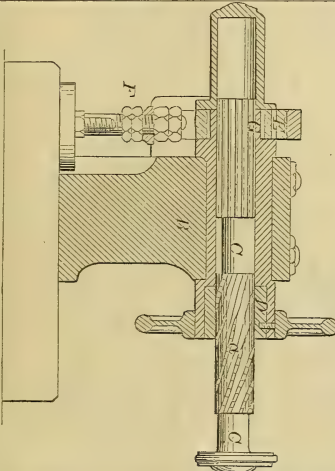
59885—N. A. Wright—Milk Strainer.



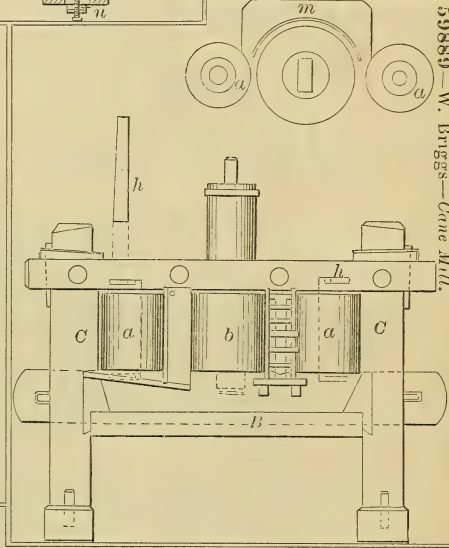
59890—C. B. Bristol—Hook and Fastening for Ropes.



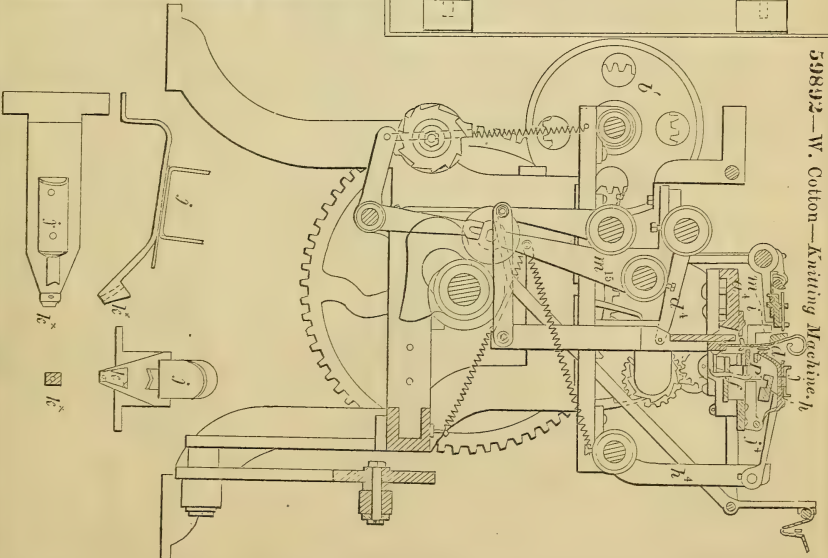
59887—W. Wright—Variable Cut-off Valve Gear.



59889—W. Briggs—Cane Mill.



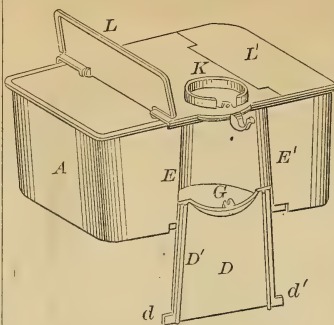
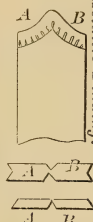
59892—W. Cotton—Knitting Machine.



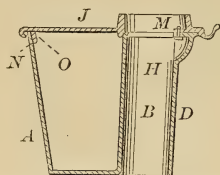
59893—C. O. Crosby—Fish Hook.



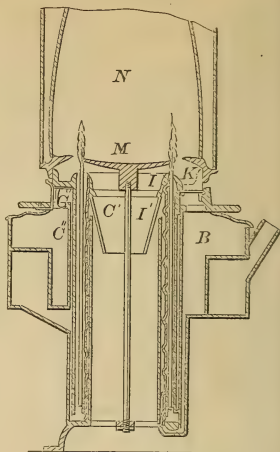
59893—T. B. De Forest—Metallic Binding.



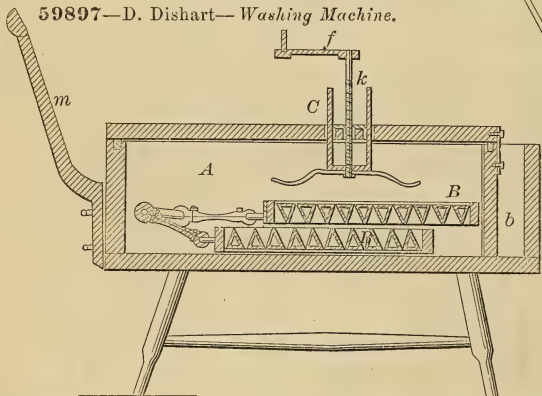
59891—J. L. Crowley—Hot Water Reservoir for Stores.



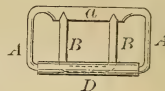
59898—H. W. Dopp—Tubular Wick Burner.



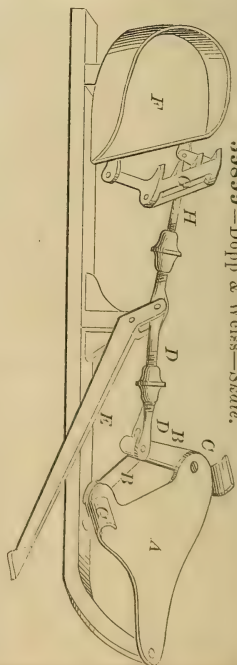
59897—D. Dishart—Washing Machine.



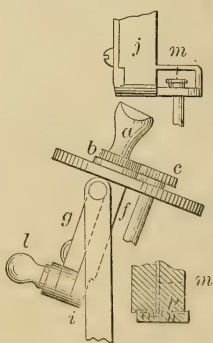
59896—T. B. De Forest—Buckle.



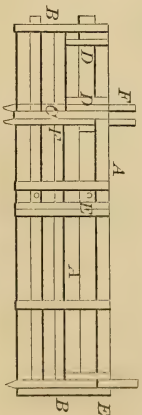
59899—Dopp &amp; Weiss—Skate.



59901—W. Fitzgerald—Pegging Machine.

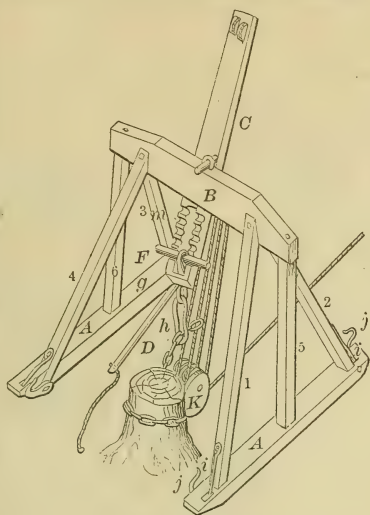


59900—A. Fancboner—Field Fence.

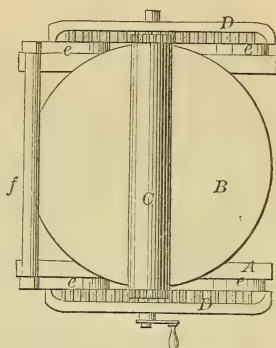




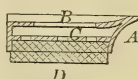
59904—I. Flanders—*Stump Extractor*.



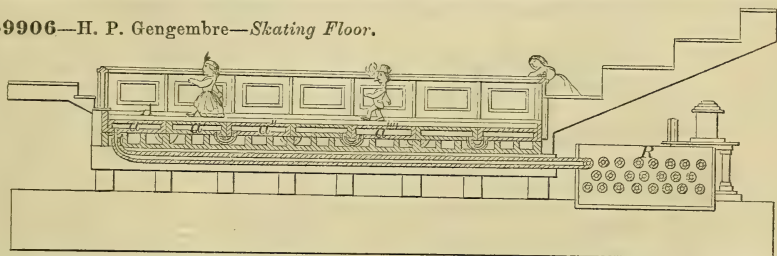
59905—J. S. Foster—*Pastry Roller*.



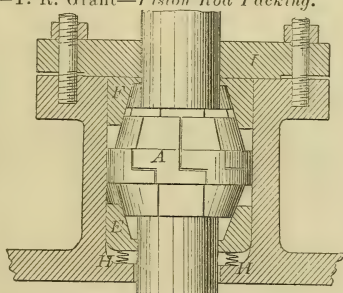
59908—J. H. Greenleaf—*Boot Heel*.



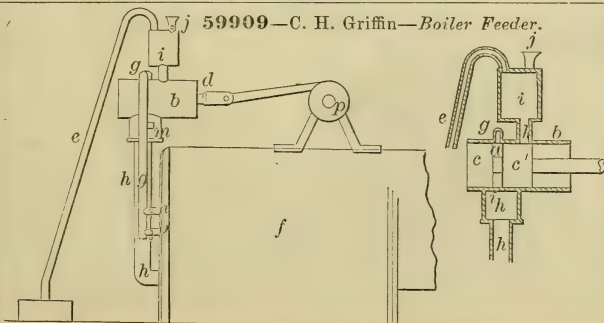
59906—H. P. Gengembre—*Skating Floor*.



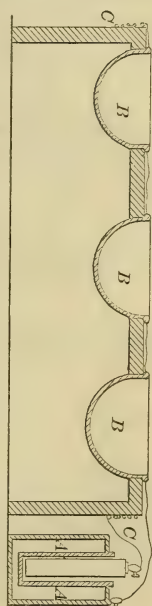
59907—T. R. Grant—*Piston Rod Packing*.

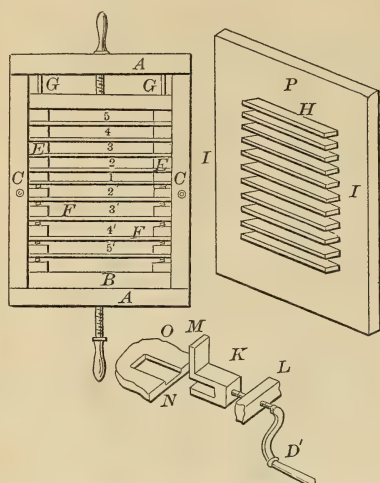
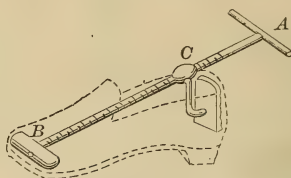
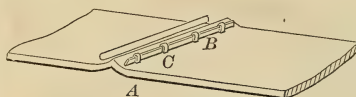
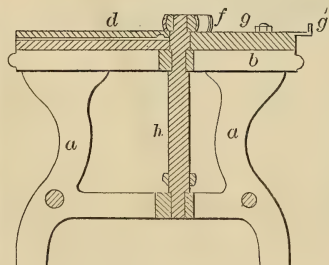
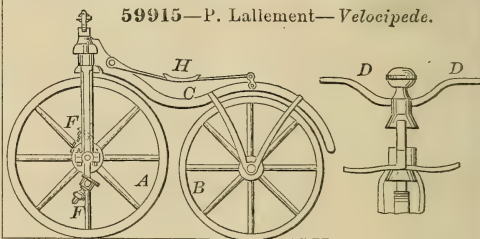
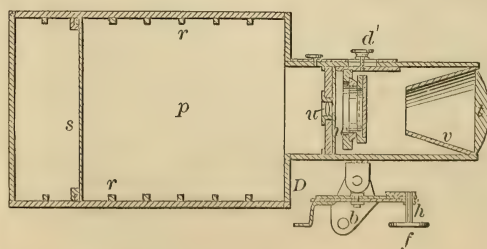
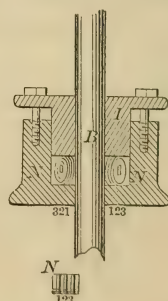
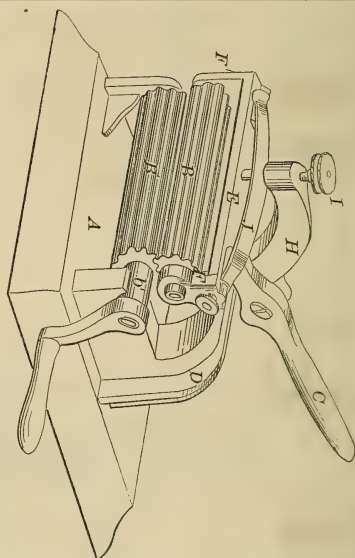


59909—C. H. Griffin—*Boiler Feeder*.

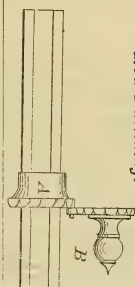


59910—A. T. Hay—*For Preventing Incrustation of Boilers*.



59911—G. Heiss—*Cigar Press.*59912—W. Jones—*For Stretching Boots and Shoes Lengthways.*59914—Kromer & Ohlemacher—*Belt Clasp.*59916—J. W. Maloy—*For Polishing Marble.*59915—P. Lallement—*Velocipede.*59917—W. H. Masters—*Solar Camera.*59918—McLean & Vandercar—*Piston Rod Packing.*59913—S. R. Knox—*Fluting Machine.*

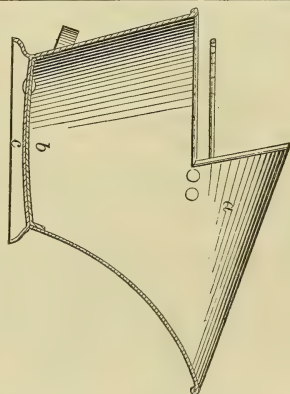
**59921**—W. T. Mersereau—*Stair Rod Fastening.*



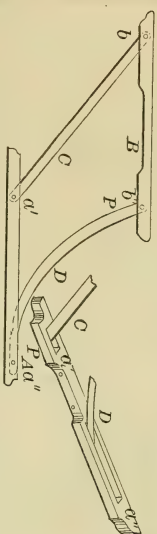
**59923**—G. L. Morris—*Screw.*



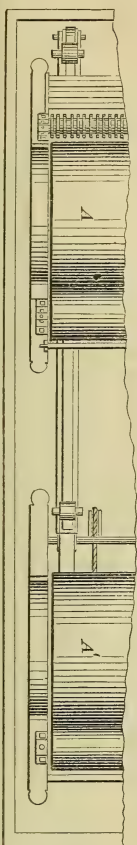
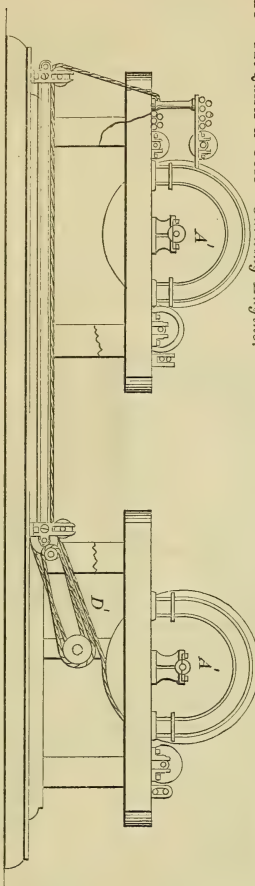
**59925**—J. H. Pocock—*Coal Hod.*



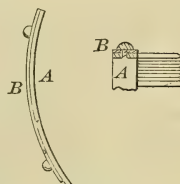
**59920**—C. R. Melling—*Sliding Seat for Carriages.*



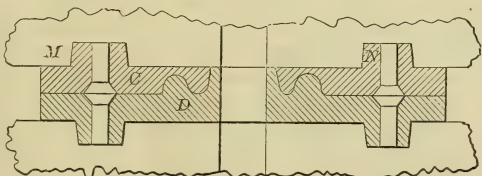
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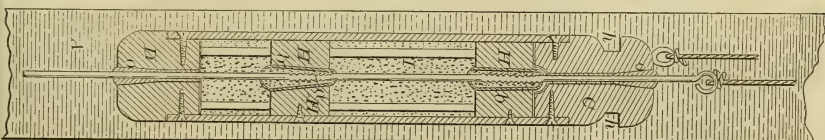
**59926**—I. Rice—*Comb.*



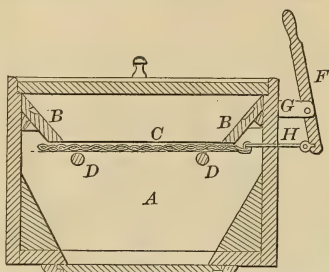
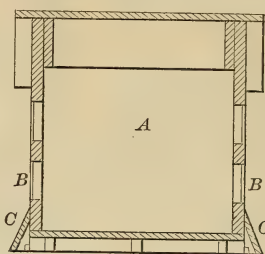
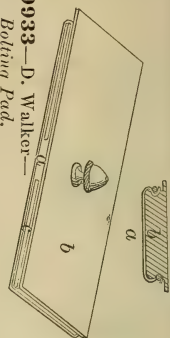
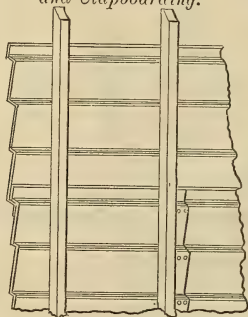
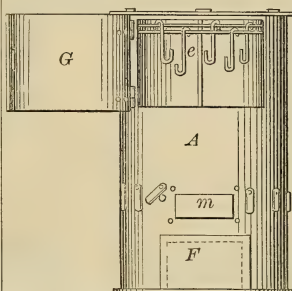
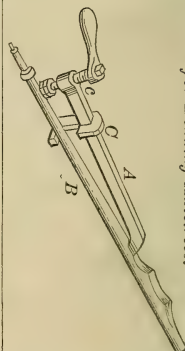
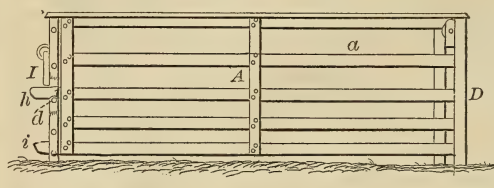
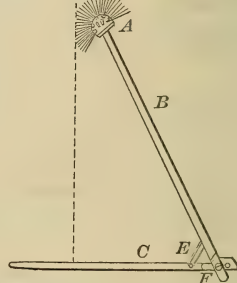
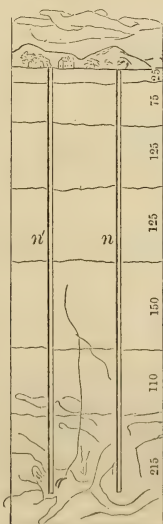
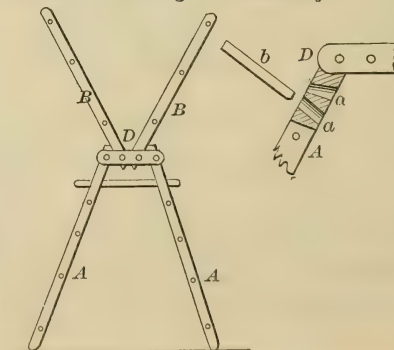
**59922**—O. E. Miles—*Bolster Plate for Wheeled Vehicles.*



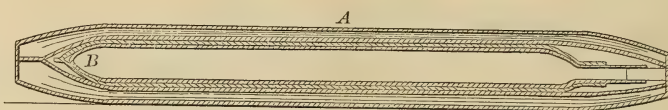
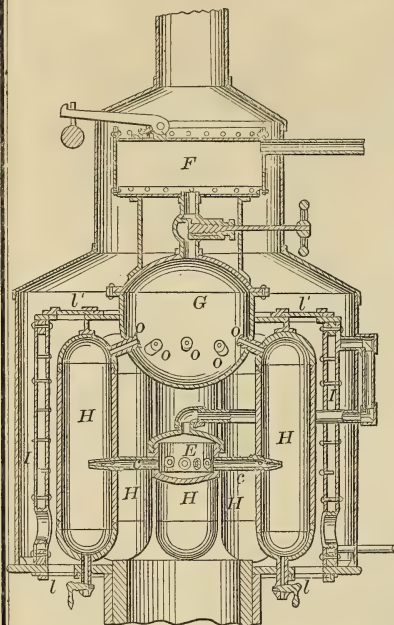
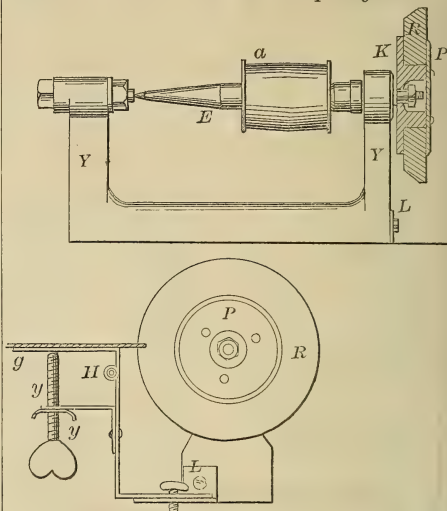
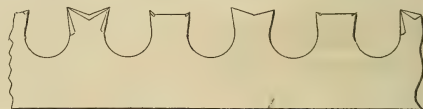
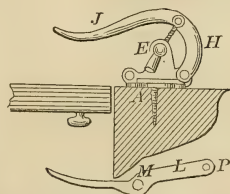
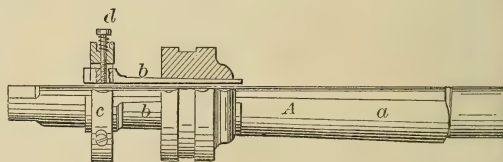
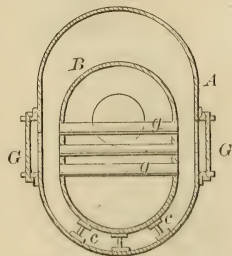
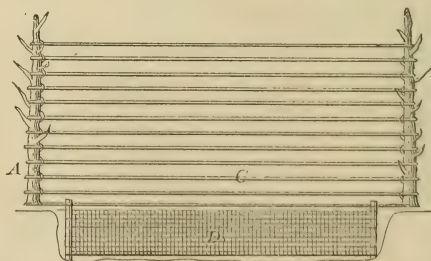
**59924**—J. S. Morris—*Torpedo.*





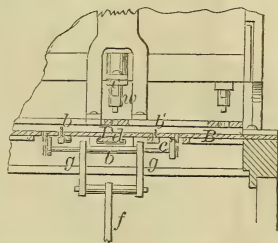
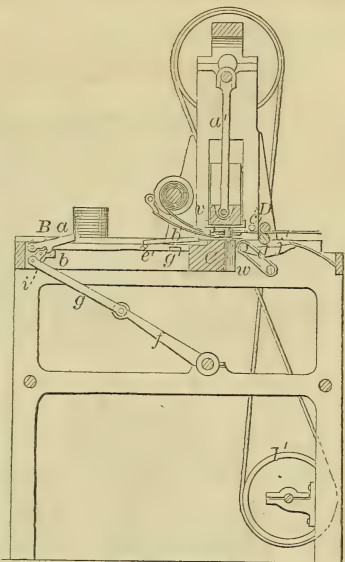
59927—N. L. Robertson—*Sifter.*59929—H. Sidle—*Construction of Houses.*59933—D. Walker—*Bolting Pad.*59928—S. J. Seely—*Roofing and Clapboarding.*59931—L. S. Stevens—*Metallic Smoke House.*59934—L. Wilkinson—*Screw Clamp for Bending Axle-trees.*59930—S. Spoor—*Gate.*59932—J. Stofer—*Window Brush.*59936—E. A. L. Roberts—*For Increasing the Capacity of Oil Wells.*59935—L. C. Wright—*Clothes Dryer.*



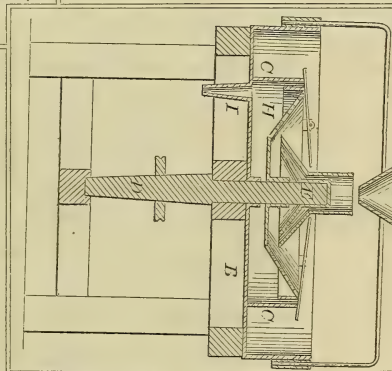
59945—L. Bauhoefer—*Cushion or Mattress.*59947—F. Baumann—*Steam Generator.*59950—J. Borthwick—*For Sharpening Saws.*59951—A. Boynton—*Saw.*59949—C. A. Blake—*Burglar Alarm.*59948—I. Beetison—*Expanding Mandrel.*59952—W. Branagan—*Steam Generator.*59953—A. Brear—*For Trapping Wild Fowl.*



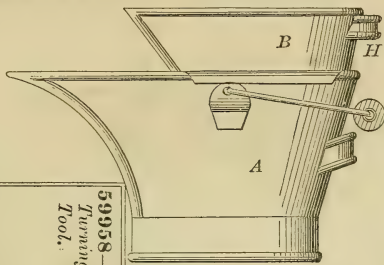
59957—J. T. Brunn—For Cutting and Reinforcing Button Holes.



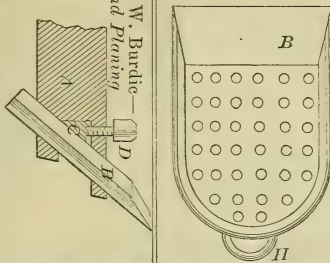
59956—J. R. Brown—For Draining Sugar, G'



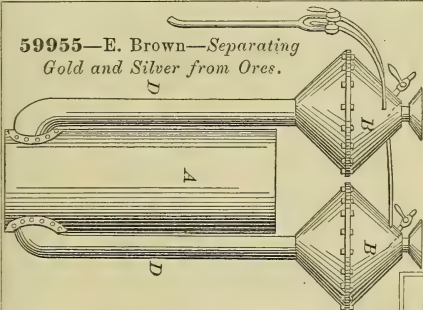
59954—B. F. Brown—Coal Hod and Sifter.



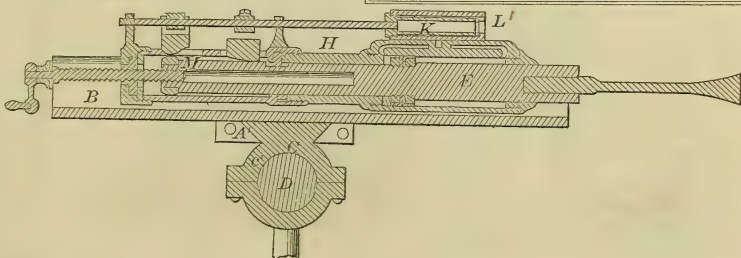
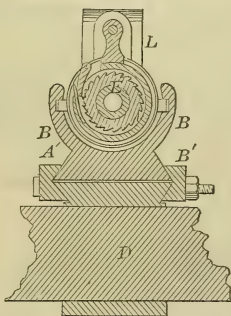
59958—C. W. Burdick—Turning and Planing Tool.

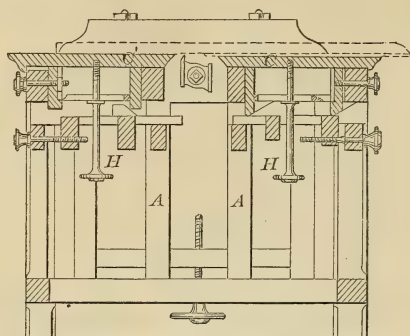
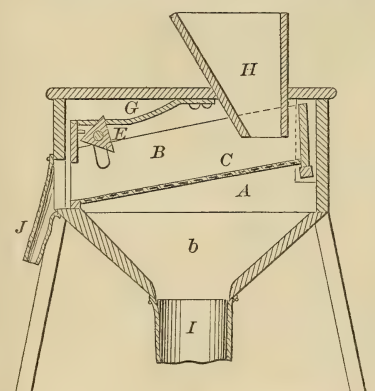
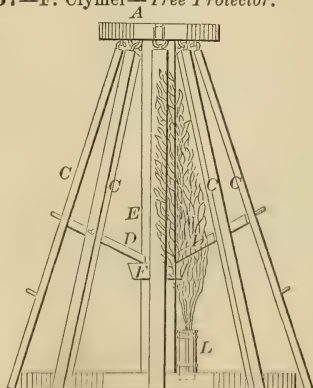
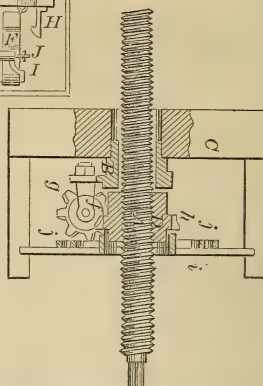
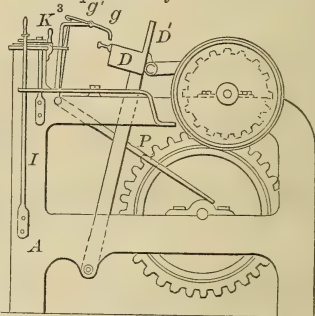
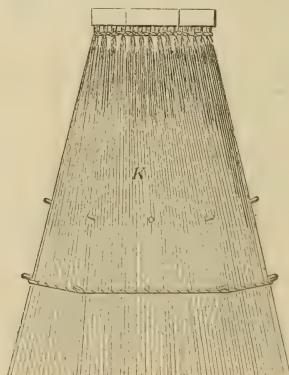
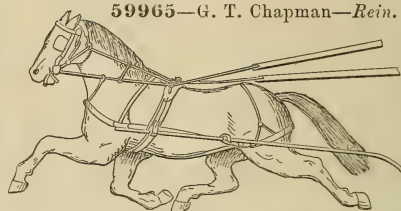


59955—E. Brown—Separating Gold and Silver from Ores.

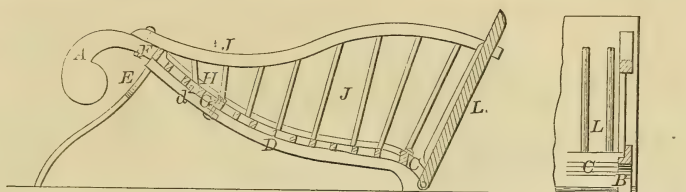


59960—C. Burlingame—Rock Drilling Machine.

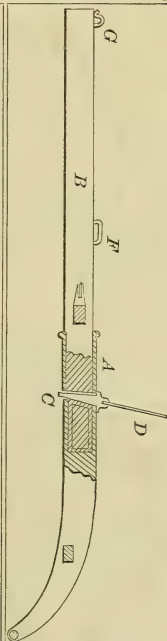


59961—J. N. Byington—*Spring Wagon.*59966—Climer & Riley—*Planing Machine.*59964—P. Ceredo—*Ash Sifter.*59967—F. Clymer—*Tree Protector.*59963—G. F. Case—*Feed Motion for Drills.*59962—Carmichel & Barney—*Stop Motion for Looms.*59965—G. T. Chapman—*Rein.*

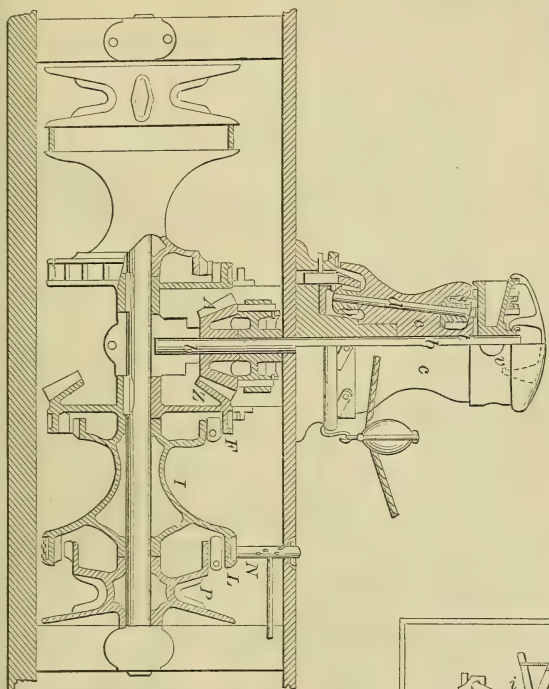
59968—J. H. Coate—*Grate and Andiron.*



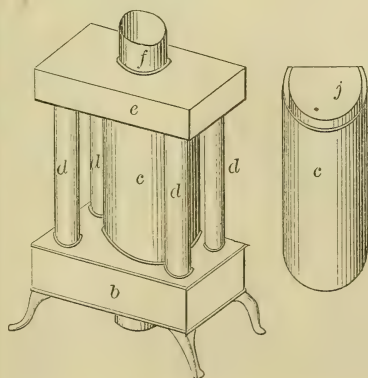
**59970—G.** *Coffin—Attaching Shafts to Sleighs and Carriages.*



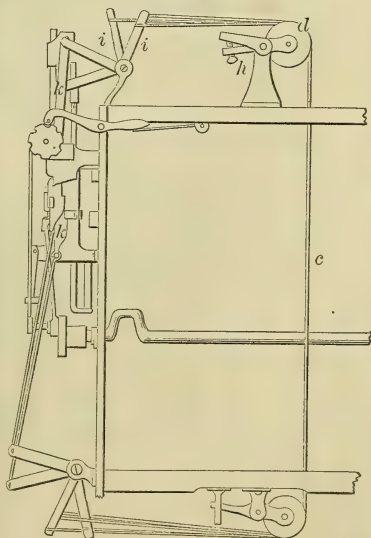
59969—D. N. B. Coffin, Jr.—*Capstan and Windlass*.



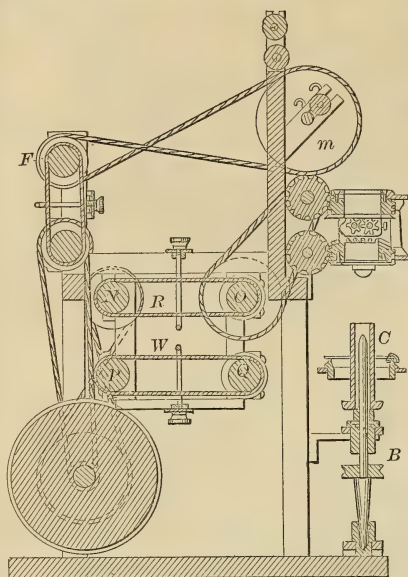
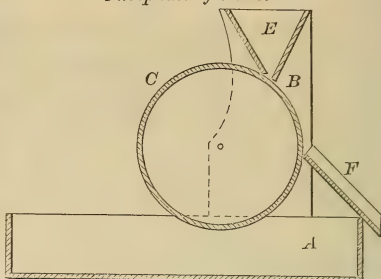
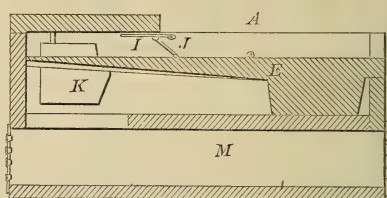
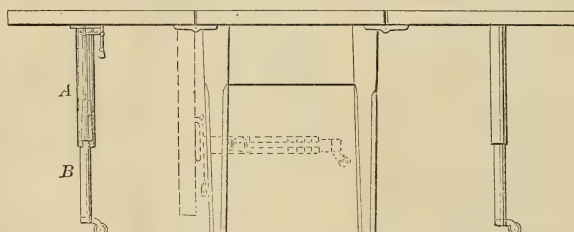
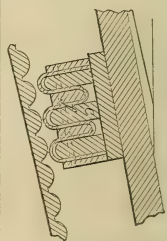
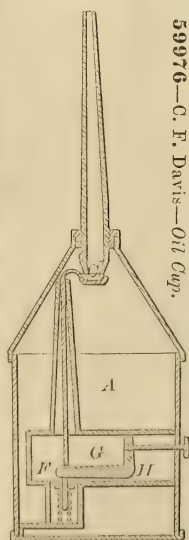
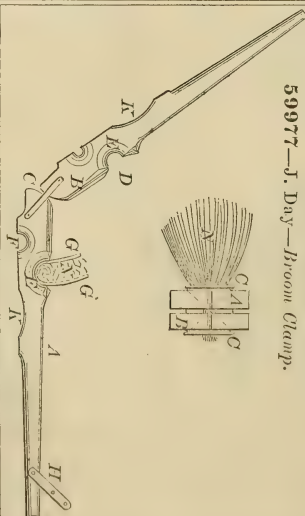
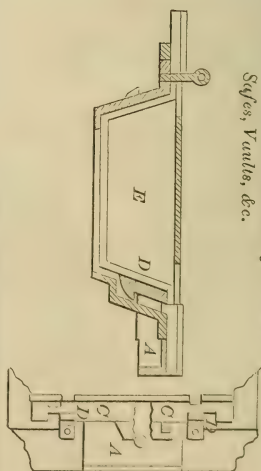
**59971**—N. E. Cornwall—*Stove Pipe Attachment.*



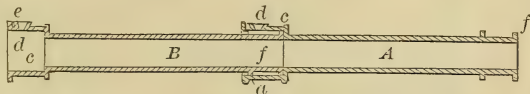
59972—G. Crompton—Harness Motion for Looms.



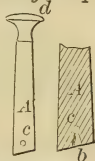


59973—J. Crowfoot—*Spinning Machine.*59978—A. de Figanière—*Making Super-Phosphate of Lime.*59980—S. F. Dimock—*Animal Trap.*59974—A. Cutler—*Table Leaf Support.*59979—G. M. Denison—*Washing Machine.*59976—C. F. Davis—*Oil Cup.*59977—J. Day—*Broom Clamp.*59981—T. Dolan—*Attaching Locks to Sashes, Vault, &c.*

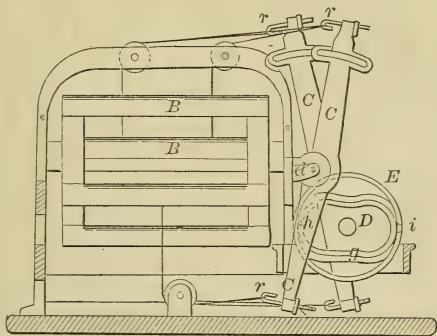
59982—E. Duffee—*Pipe Coupling.*



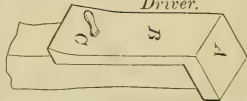
59984—W. W. Dutcher—*For Setting Temple Teeth.*



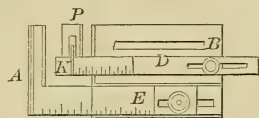
59987—H. A. Ellis—*Loom.*



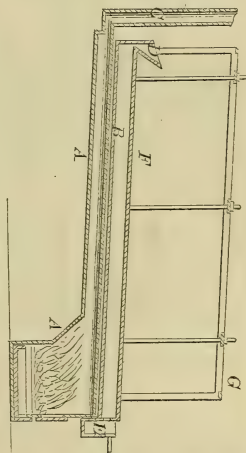
59990—D. D. Foley—*Post Driver.*



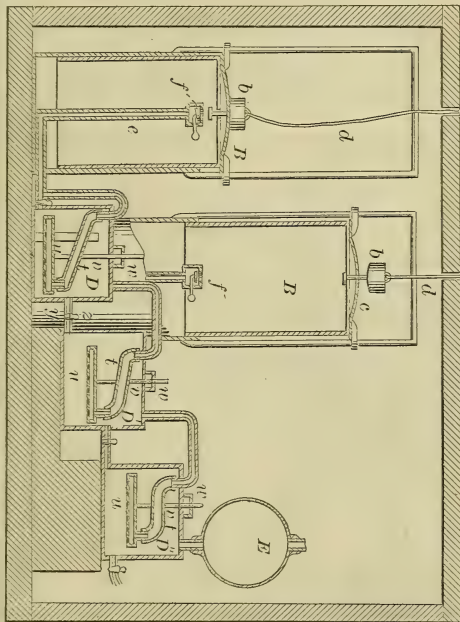
59983—M. A. Duffee—*Sewing Machine Gauge.*



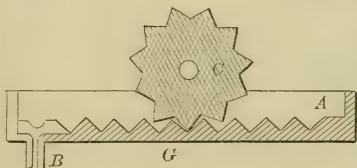
59989—J. R. Evertson—*Grain Dryer.*



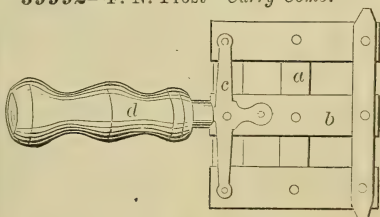
59991—T. F. Frank—*For Carburetting Air.*



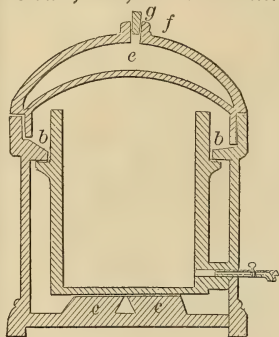
59985—R. R. Eastman—*Butter Worker.*



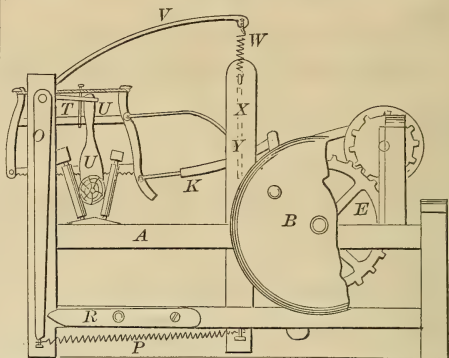
59992—F. N. Frost—*Curry Comb.*



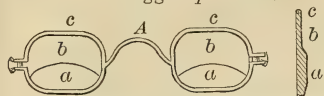
**59993**—W. Garrard—*For Preserving Butter, Milk, and other Articles.*



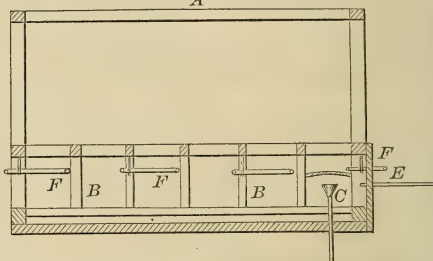
**59994**—P. A. Gerry—*Saving Machine.*



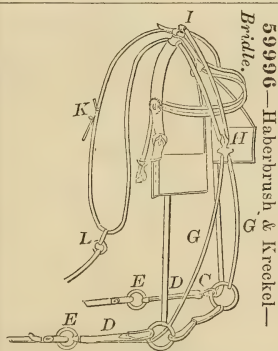
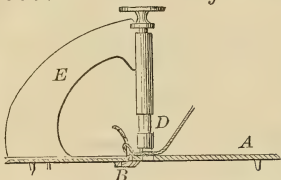
**59995**—S. Gregg—*Speclacles.*



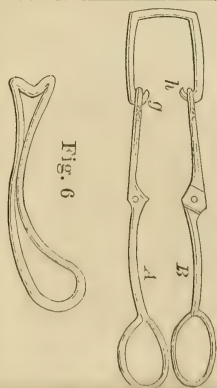
**59998**—J. W. Hanna—*For Drying Lumber.*



**59997**—T. Hall—*Sewing Machine.*

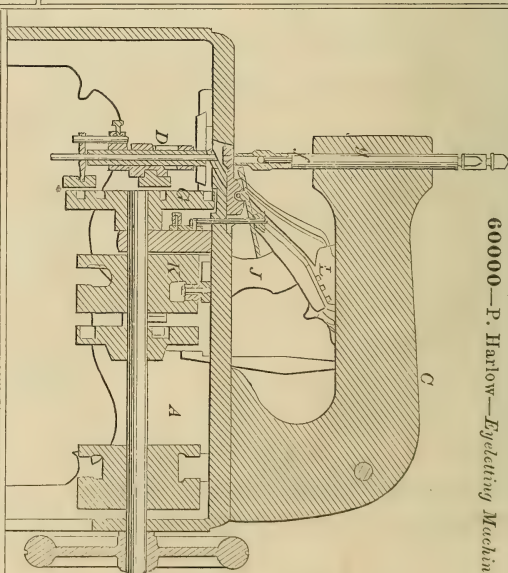


**59996**—Habermush & Kreckel—*Bridle.*



**59999**—E. B. Harding M. D.—*Pessary.*

Fig. 6



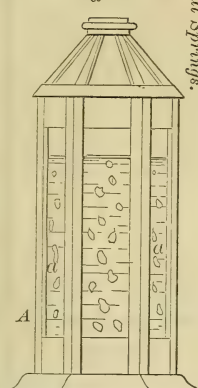
**60000**—P. Harlow—*Ejecting Machine.*



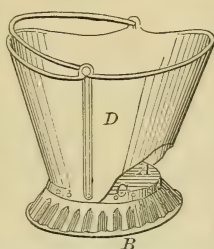




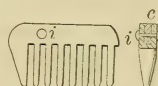
**60001**—J. P. Haskins—*Exhibiting the Gas of Mineral Springs.*



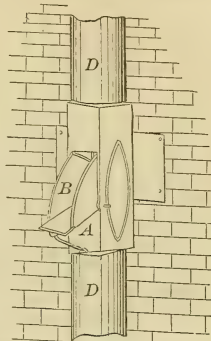
**60003**—C. F. Henis—*Coal Scuttle.*



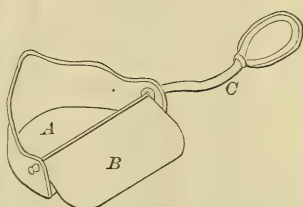
**60004**—J. H. Hicks—*Comb.*



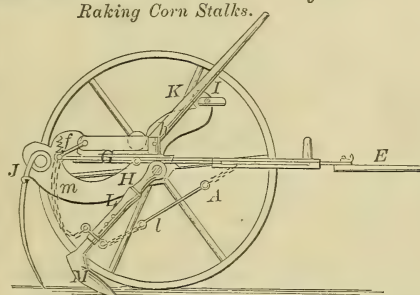
**60005**—Hicks & Welker—*Cut-off for Cistern Leaders.*



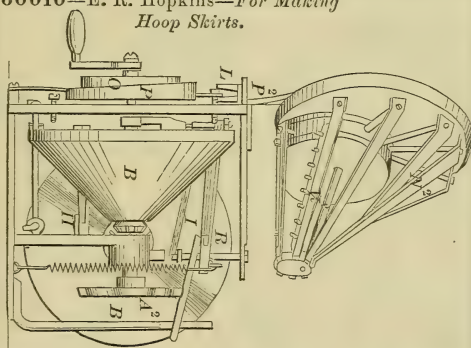
**60009**—A. B. Hoffman—*Crumb Remover.*



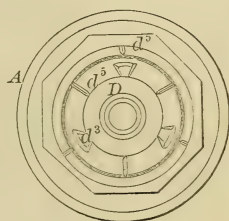
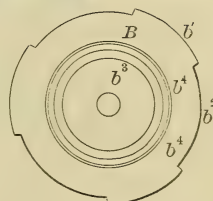
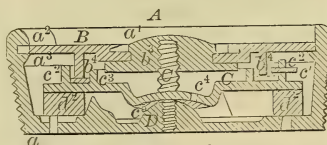
**60008**—Hill & Tuttle—*For Cutting and Raking Corn Stalks.*



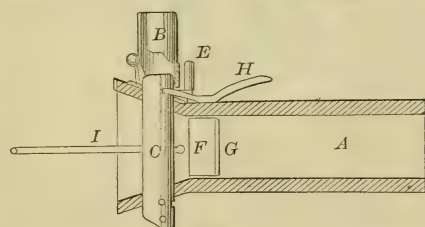
**60010**—E. R. Hopkins—*For Making Hoop Skirts.*



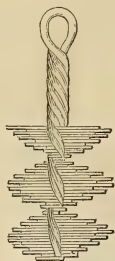
**60011**—Hufendick & Spangenberg—*Bung.*



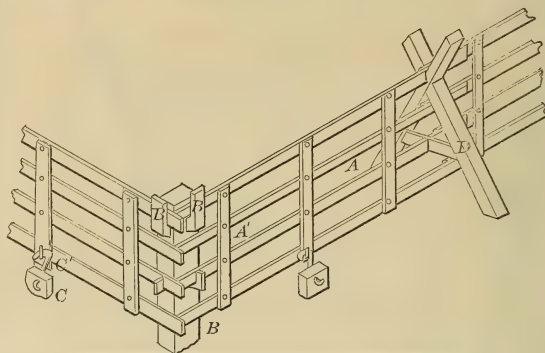
**60012**—J. H. Kavanagh—*Car Coupling.*



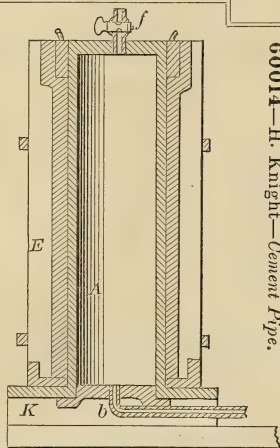
60013—R. King—Boiler Flue Brush.



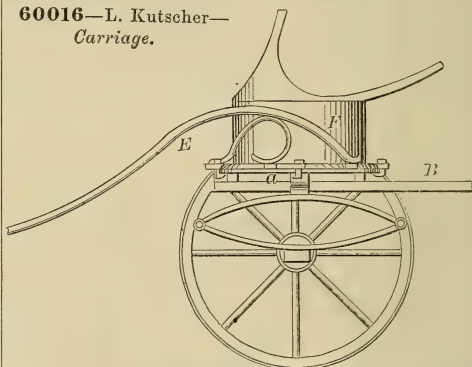
60020—C. G. Lazear—Fence.



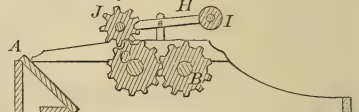
60014—H. Knight—Cement Pipe.



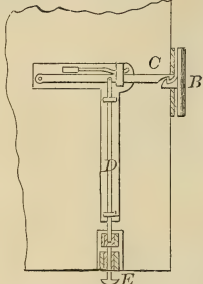
60016—L. Kutscher—Carriage.



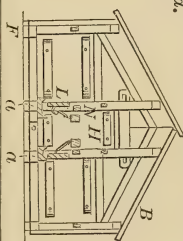
60018—J. Lamphear—Washing Machine.



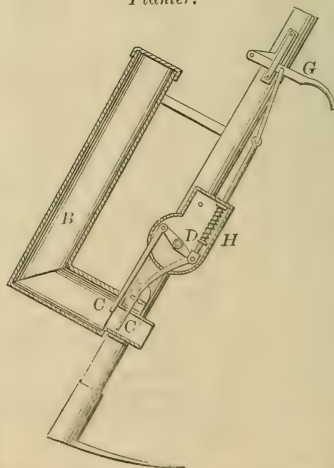
60017—L. Lall—Clasp Lock for Books, &amp;c.



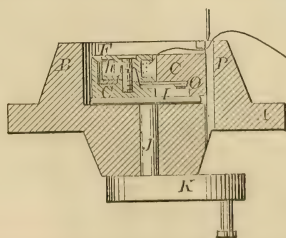
60015—Knapp &amp; Elliott—Sheep Shed.



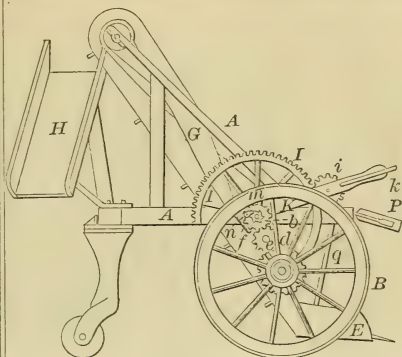
60019—A. T. Large—Hand Seed Planter.



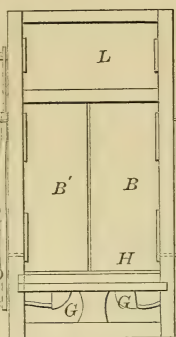
60021—G. H. Lenher—Sewing Machine Shuttle.



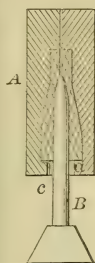
60025—J. H. Marshall—*Ditching Machine.*



60023—G. H. Lupton—*Hanging Windows and Doors.*



60022—H. L. Lowman—*Die for Forming the Lipes of Pitch Axes.*



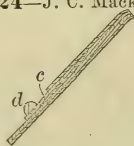
60028—C. E. McDonald—*For Obtaining the Measure for Ladies' Dresses.*



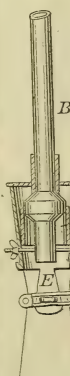
60026—J. B. Martindale—*Hooks and Eyes.*



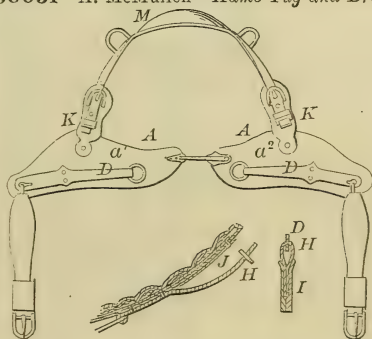
60024—J. C. Mack—*Boots and Shoes.*



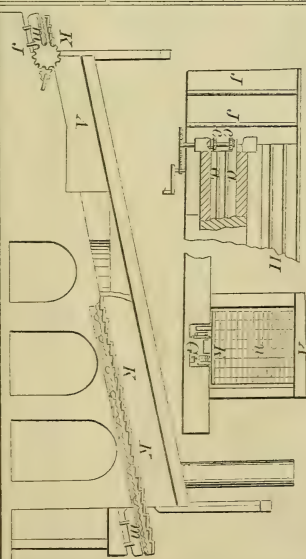
60030—McLeland & Graham—*Broom Head.*



60031—A. McMullen—*Hame Tug and Breast Collar.*

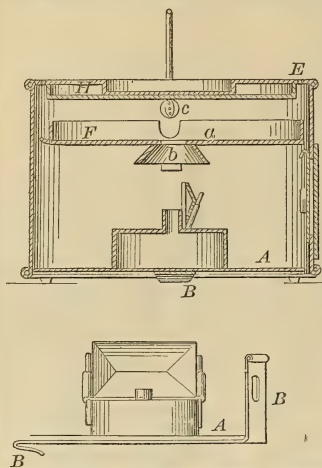


60029—J. McDonald—*Brick Kith.*

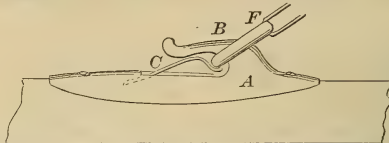




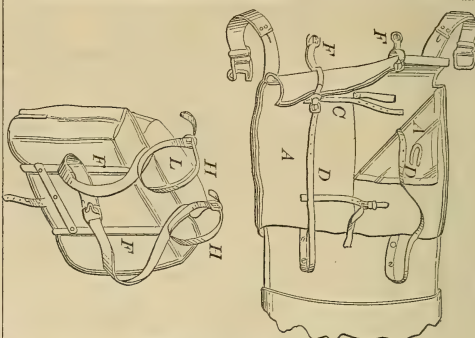
60032—M. Mellinger—Foot Stove.



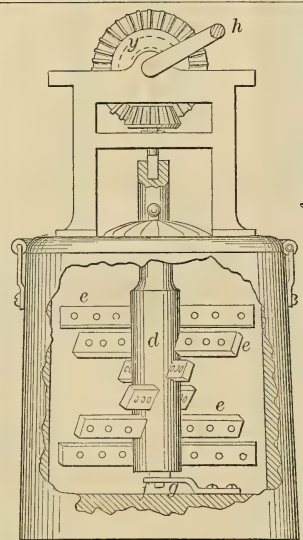
60033—G. W. Miller—Breeching Hook.



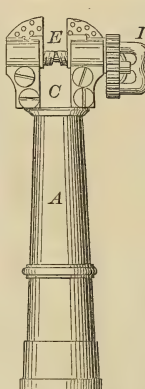
60034—J. K. Mizner—Knapsack.



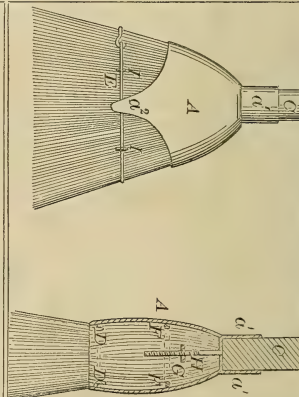
60035—L. Mooney—Churn.



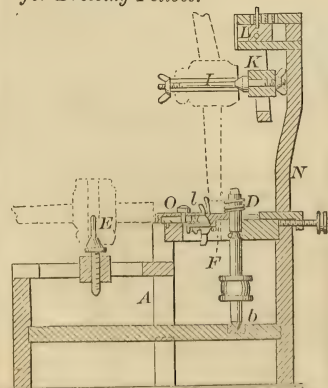
60036—R. F. Moore—Hose Pipe Nozzle.



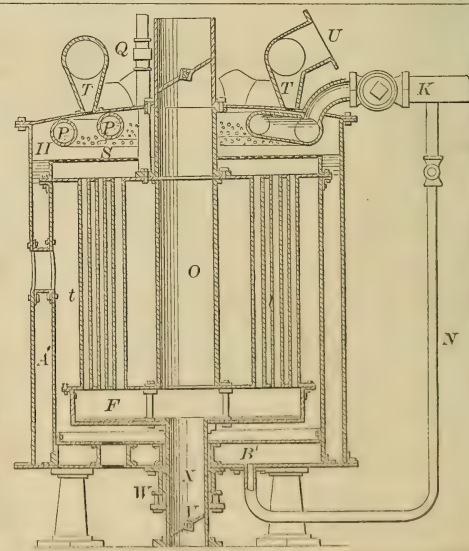
60038—T. Moore—Broom Head.



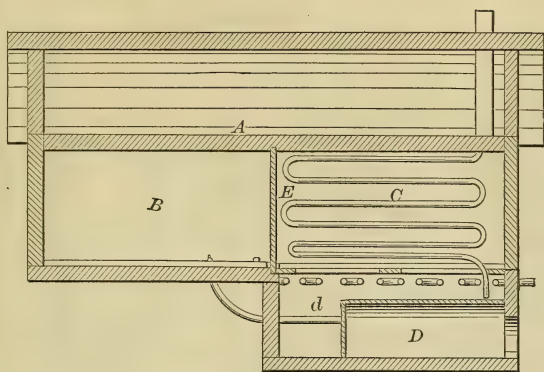
60040—A. P. Odholm—Machine for Dressing Felloes.



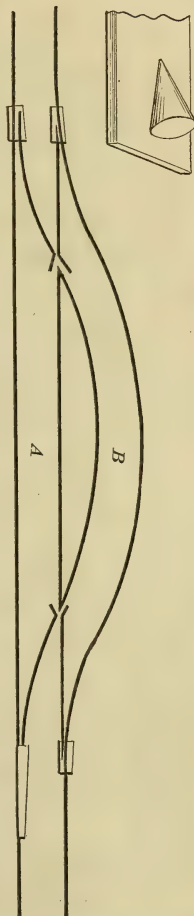
60042—F. Orthlieb—Surface Condenser.



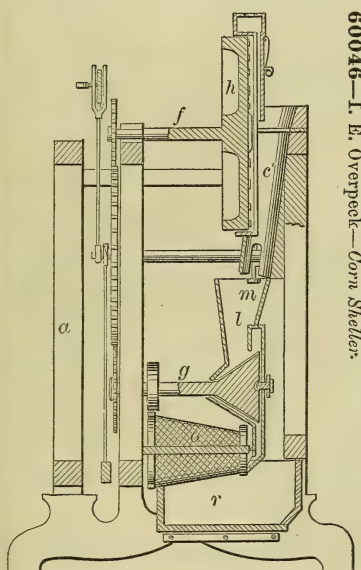
60043—J. H. Osgood, Jr.—*For Drying Lumber.*



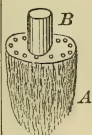
60044—S. A. Otis—*Turnout for Railroads.*



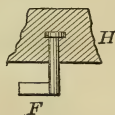
60046—L. E. Overpeck—*Corn Sheller.*



60045—A. W. Overbaugh—*Slide Cleaner.*



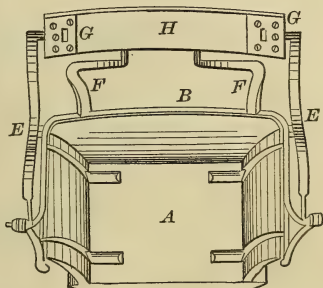
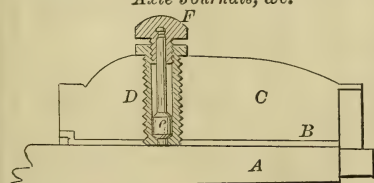
60047—L. E. Page—*Back for Vehicles.*

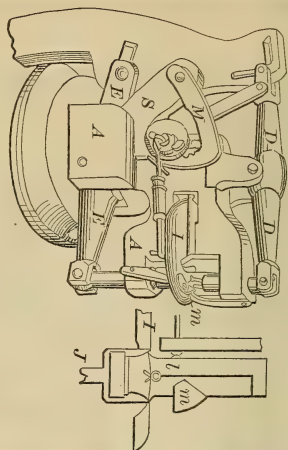
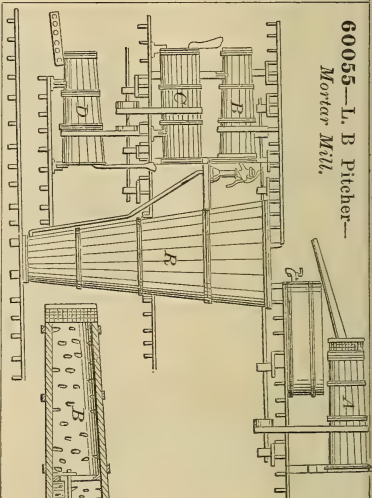
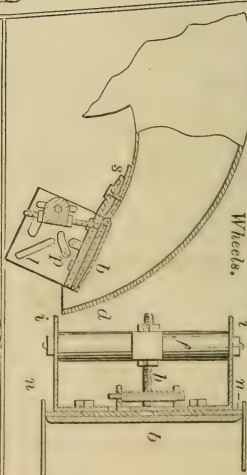
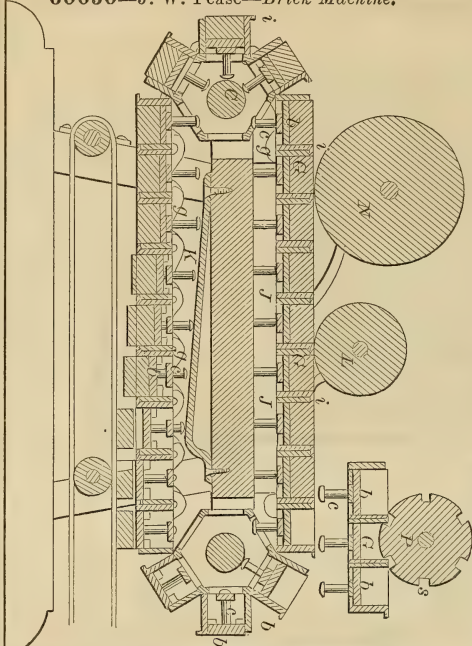
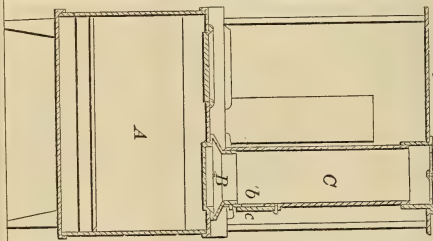
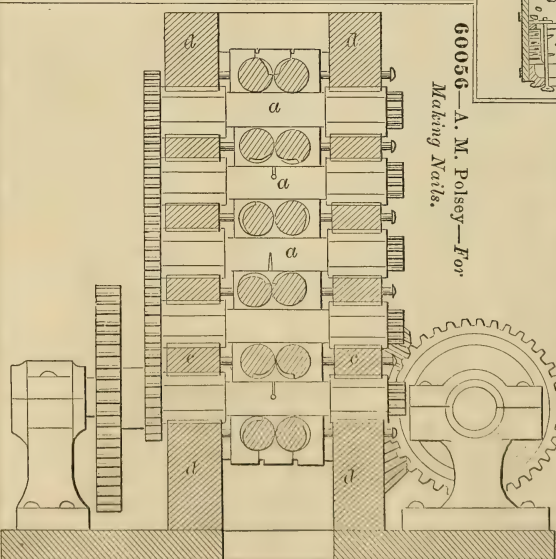


60048—G. Parr—*Manufacture of Cutlery.*



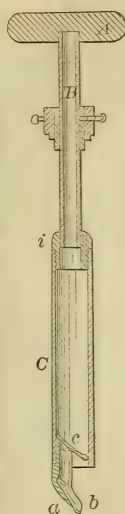
60049—G. W. Parsons—*For Lubricating Axle Journals, &c.*



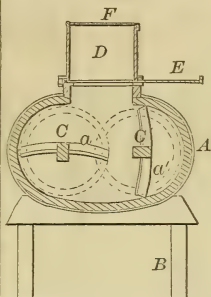
60053—L. D. Phillips—*For Making Buttons.*60055—L. B. Pitcher—*Mortar Mill.*60052—D. Phillips—*Regulator for Reaction Water Wheels.*60050—J. W. Pease—*Brick Machine.*60054—S. G. Piper—*Cooking Stone.*60056—A. M. Polsey—*For Making Nails.*



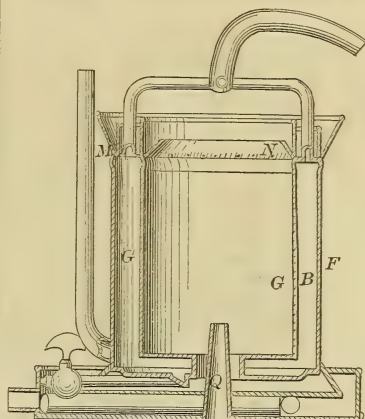
60057—O. Pratt—Sinking Tubular Wells.



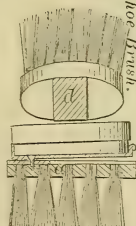
60058—J. K. Reiner—Churn.



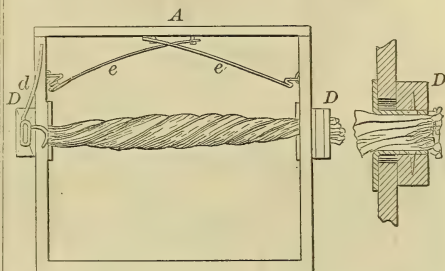
60059—H. Rensch—For Cooling Beer.



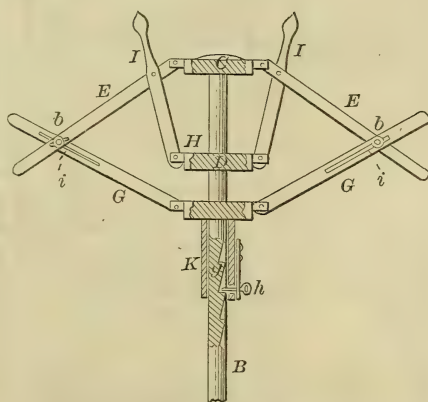
60063—E. A. G. Roulstone—Shoe Brush.



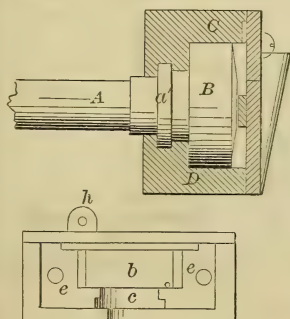
60060—D. T. Robinson—Fruit Press.



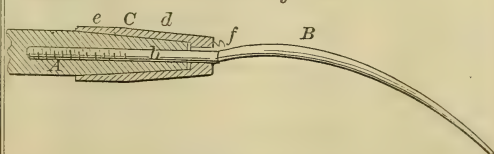
60061—Rohm & Guetlich—Reel.



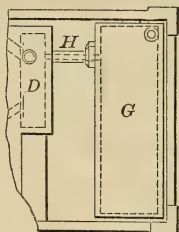
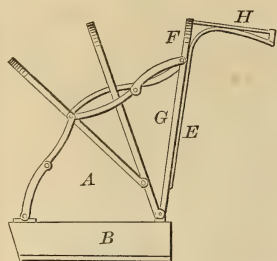
60064—H. B. Rowley—Axle Box.



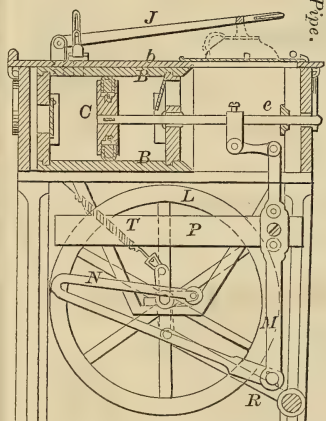
60065—W. F. Rundell—Hay Fork.



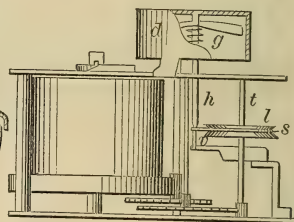
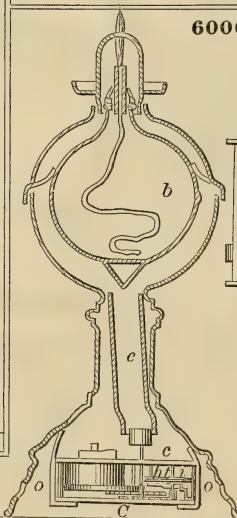
**60066**—W. F. Rundell—  
*Carriage Top.*



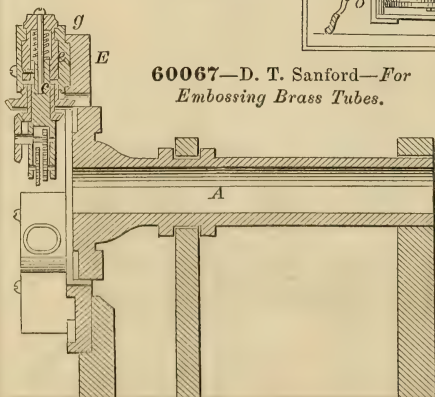
**60070**—F. Shaler—*Blow Pipe.*



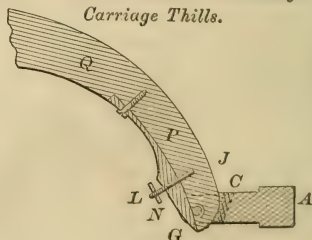
**60068**—W. H. Sangster—*Lamp.*



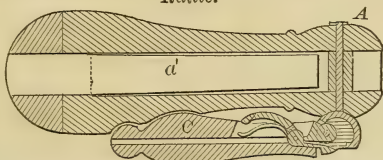
**60067**—D. T. Sanford—*For  
Embossing Brass Tubes.*



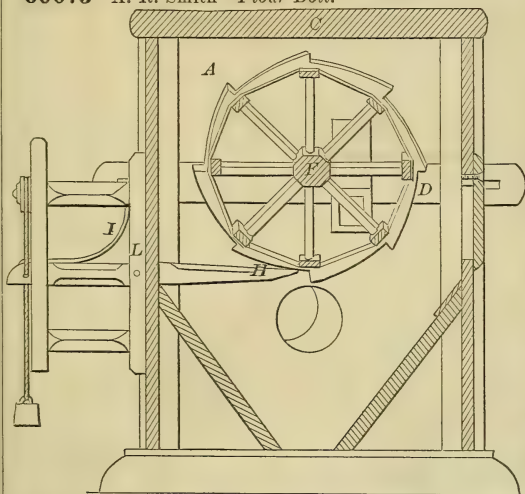
**60071**—W. C. Sherman—*Attaching  
Carriage Thills.*



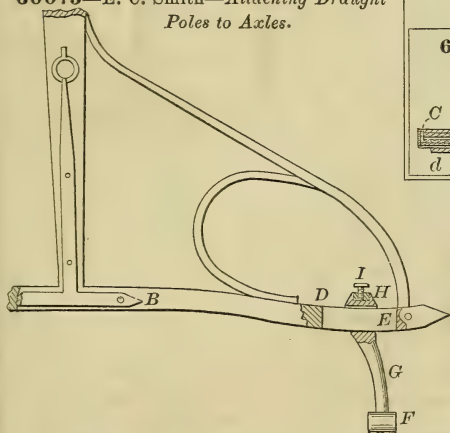
**60072**—Smiley, Becher & Townsend—*Policeman's Rattle.*



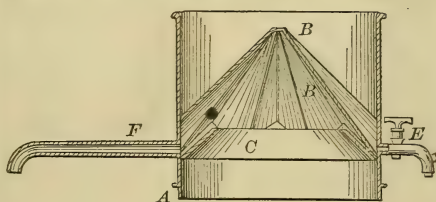
**60073**—A. R. Smith—*Flour Bolt.*



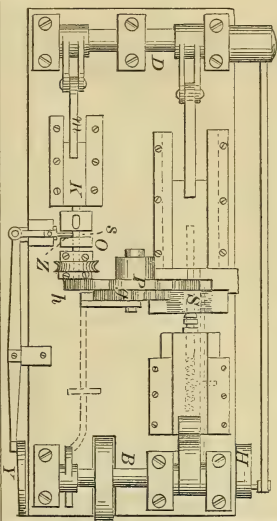
**60075**—E. C. Smith—*Attaching Draught Poles to Axles.*



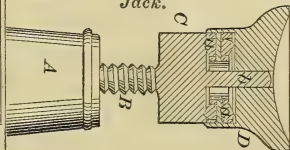
**60079**—B. P. Stebbins—*Still.*



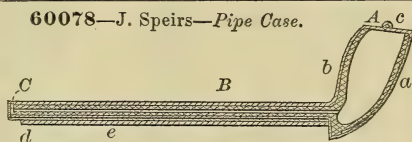
**60074**—D. Smith—*Cartridge Machine.*



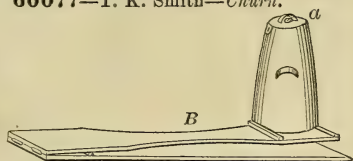
**60080**—J. W. Steed—*Hoisting Jack.*



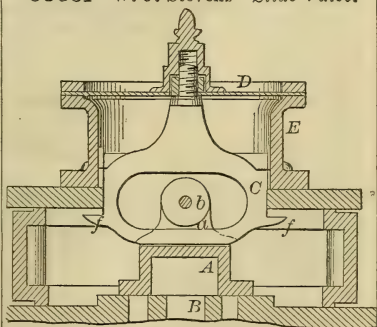
**60078**—J. Speirs—*Pipe Case.*



**60077**—T. K. Smith—*Churn.*

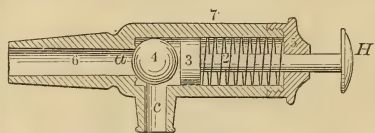


**60081**—W. J. Stevens—*Slide Valve.*

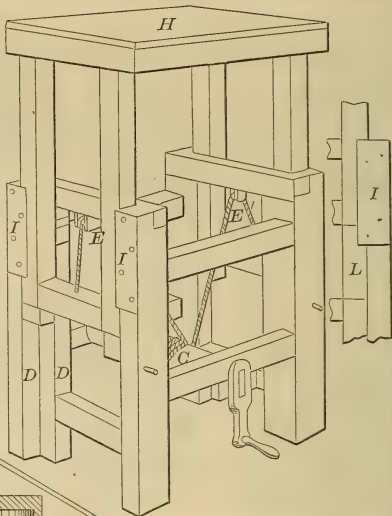




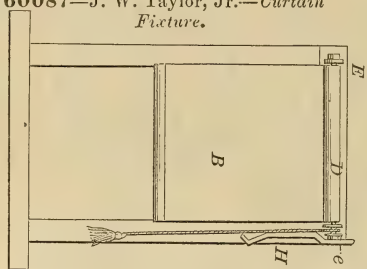
60082—Street & Davis—*Faucet.*



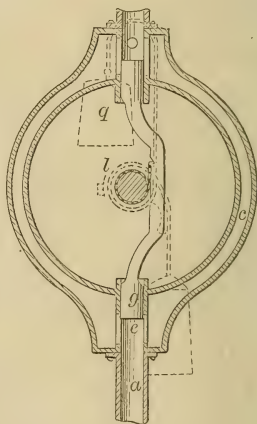
60085—C. M. Tanner—*Scaffold*.



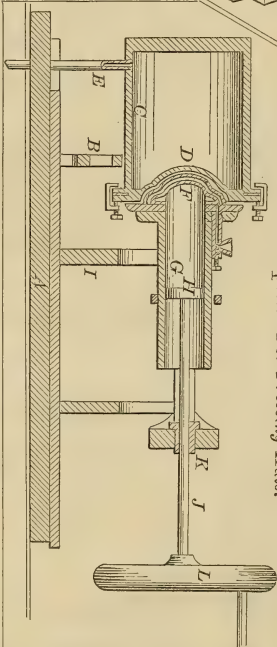
60087—J. W. Taylor, Jr.—*Curtain  
Fixture.*



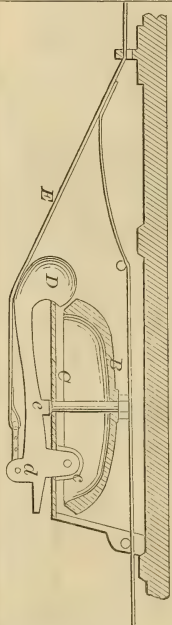
60084—F. Taggart—Steam Engine Governor.



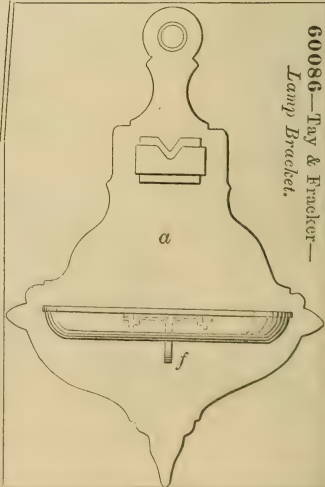
60088—G. L. Thompson—*For Pressing Hats.*



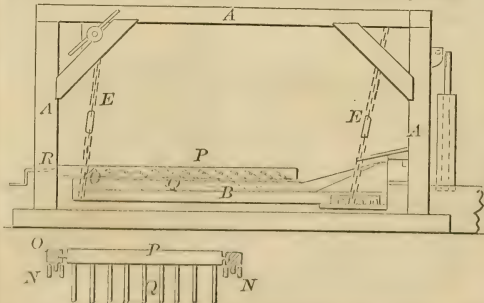
60083—J. Sweeney—*Car. Bell.*



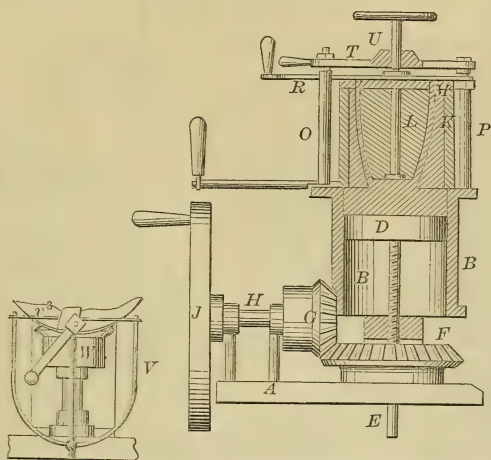
60086—Tay & Hacker—  
*Lamp Bracket.*



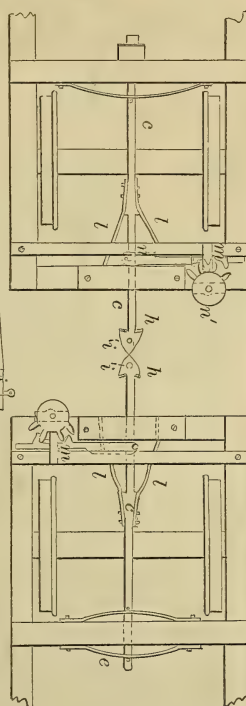
60089—H. A. Thompson—*For Concentrating Ores.*



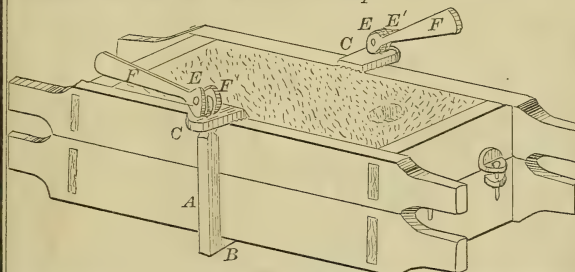
60090—S. R. Thompson—*For Making Crucibles.*



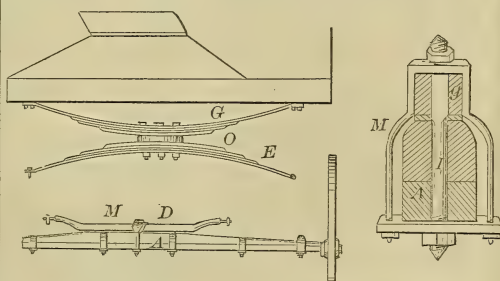
60092—D. J. Tittle—*Car Coupling.*



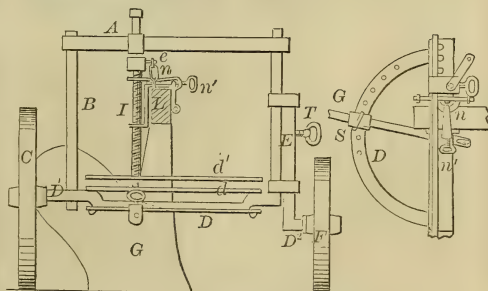
60091—W. W. Tice—*Moulder's Clamp.*



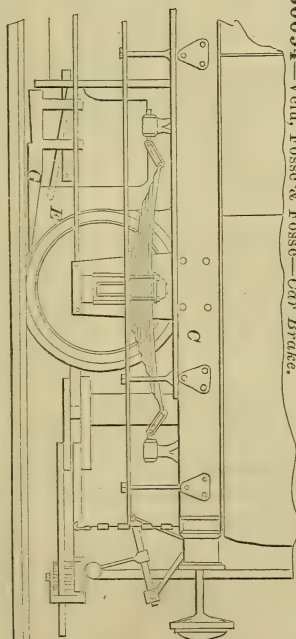
60093—J. D. Van Hoebenbergh—*Carriage.*

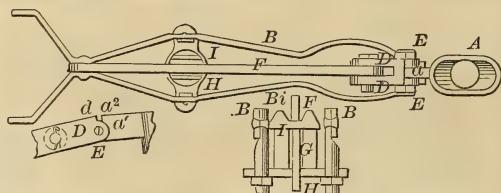
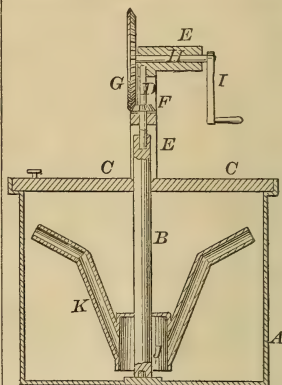
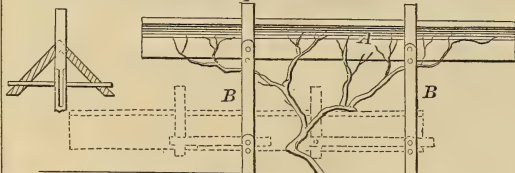
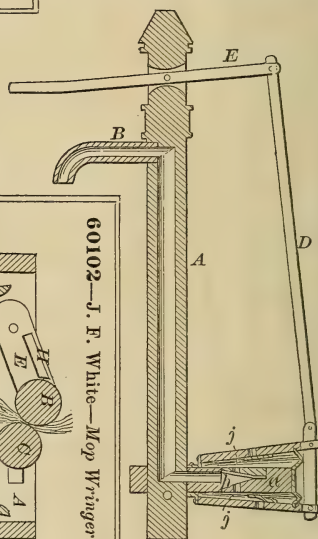
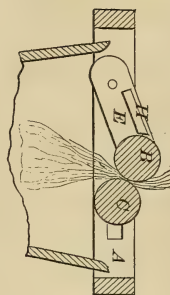
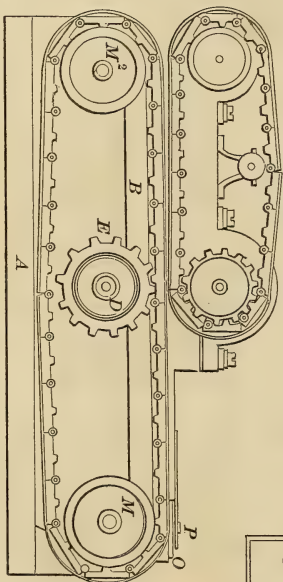
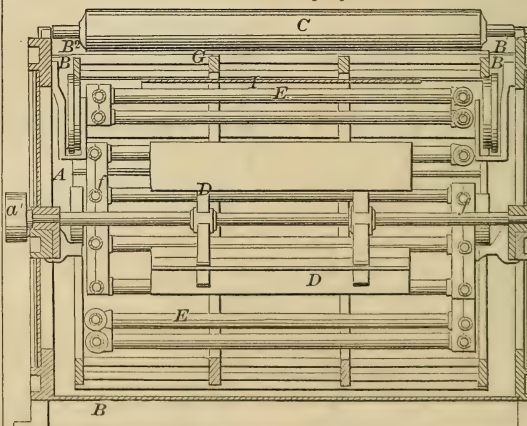
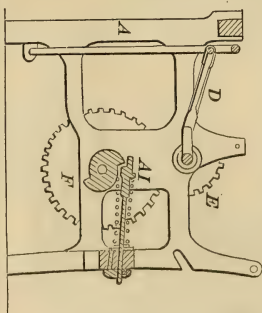


60095—B. Volkmann—*Plow.*



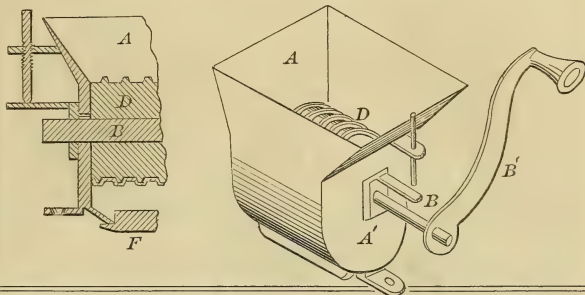
60094—Velu, Fosso & Fosso—*Car Brake.*



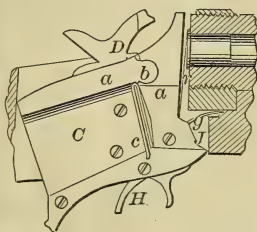
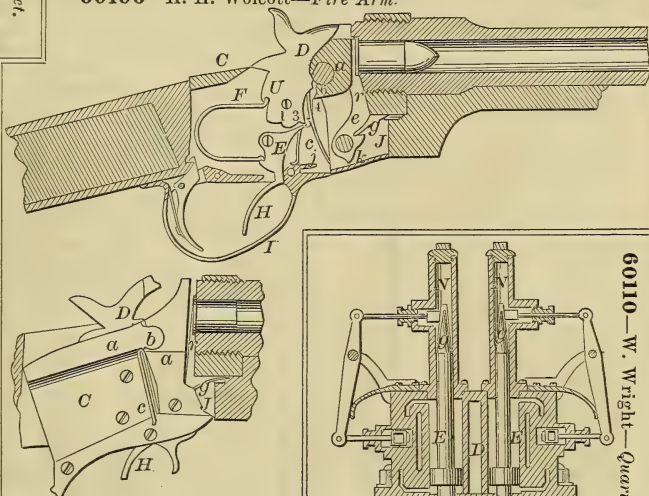
**60096**—E. Wagoner—*Grain Drill.***60097**—G. B. Waller—*Churn.***60099**—J. Walter—*Grape Vine Protector.***60098**—Wallis & Swearingen—*Belious Pump.***60102**—J. F. White—*Mop Wringer.***60100**—W. H. Watson—*For Pressing Tobacco.***60103**—H. Whitehill—*For Drying Yarn.***60101**—G. L. White—*Loom.*



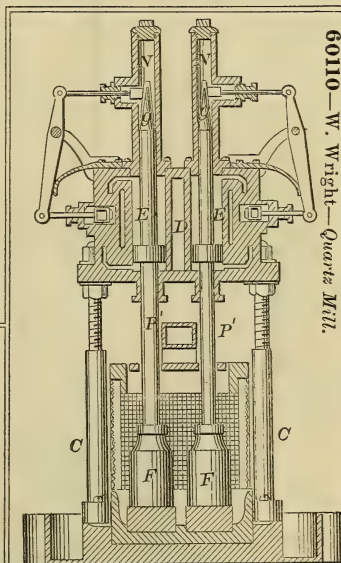
60105—G. L. Witsil—Grinding Mill.



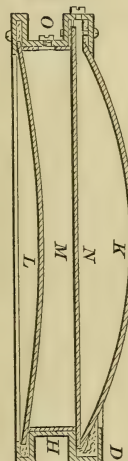
60106—H. H. Wolcott—Fire Arm.



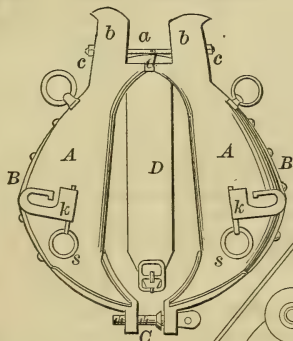
60110—W. Wright—Quartz Mill.



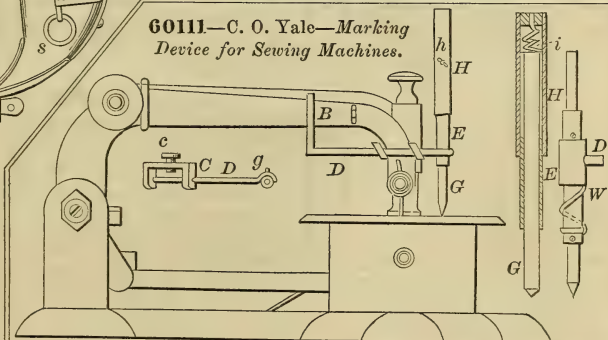
60109—D. A. Woodward—Fluid Lens.

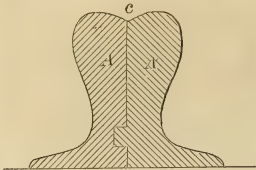
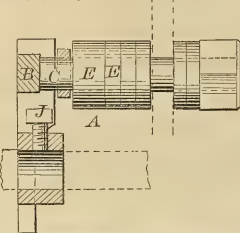
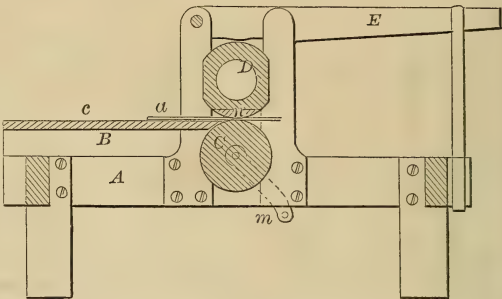
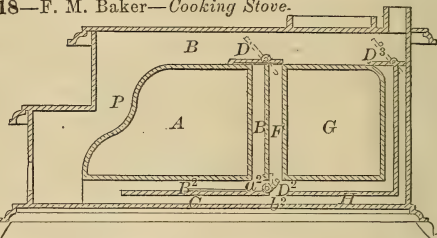
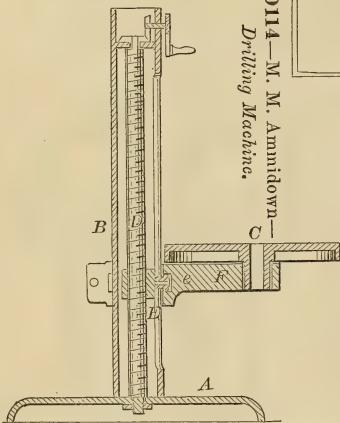
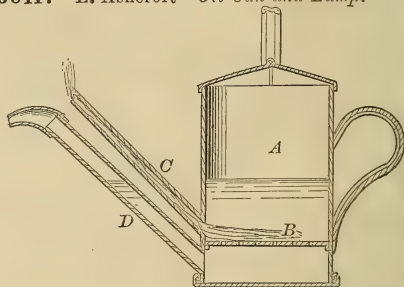
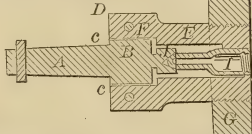
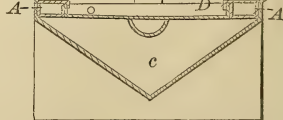
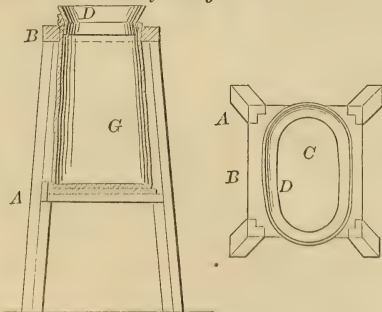
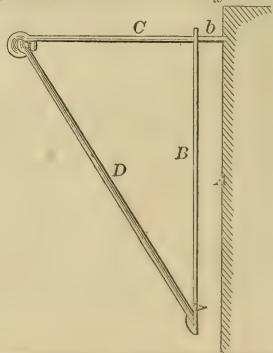


60107—C. Wolf—Horse Collar.

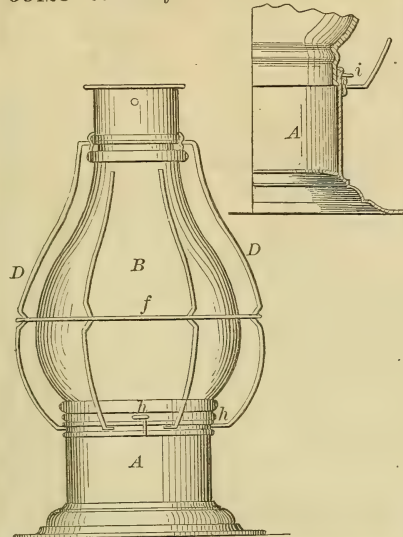


60111—C. O. Yale—Marking Device for Sewing Machines.

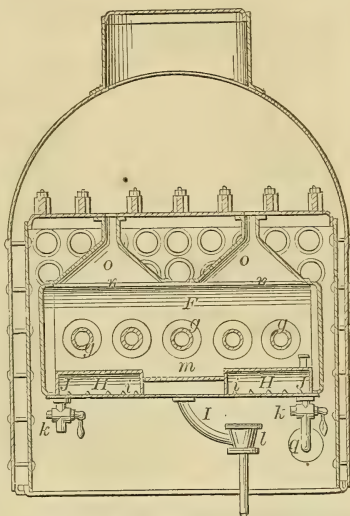


**60112**—J. Adams—*Railroad Rail.***60113**—R. Allen—*Lathe Clutch.***60115**—J. C. Arms—*Embossing Machine.***60118**—F. M. Baker—*Cooking Stove.***60114**—M. M. Amundson—*Drilling Machine.***60117**—E. Ashcroft—*Oil Can and Lamp.***60116**—T. G. Arnold—*Chuck.***60120**—Barnard & Spiller—*Manufacture of Salt Block.***60121**—C. J. Barney—*Bag Holder.***60122**—H. Beckwith—*Scaffold Bracket.*

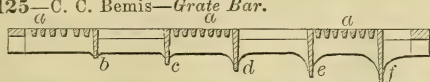
60123—J. Bellerjean—Lantern.



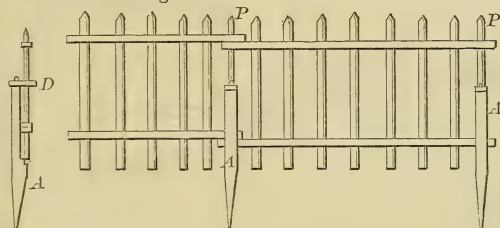
60124—T. E. Belton—Steam Heater.



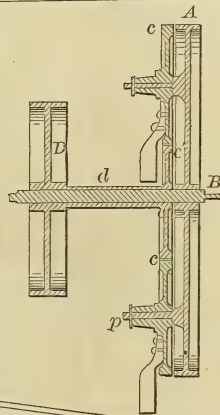
60125—C. C. Bemis—Grate Bar.



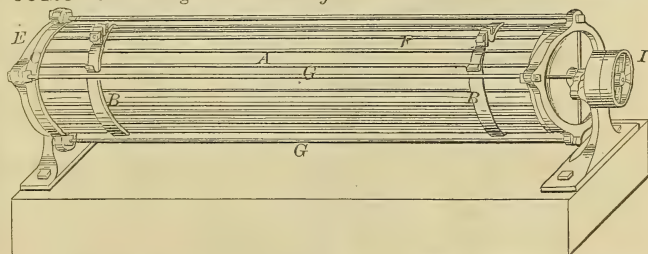
60127—B. Billings—Fence.



60126—W. Dicknell—Communicating Motion.



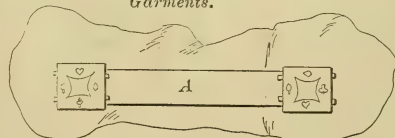
60128—G. E. Bingham—Revolving Flue Cleaner.



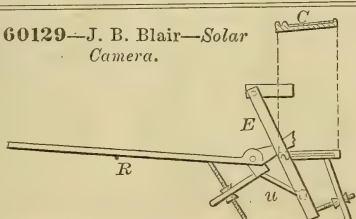
60130—W. Y. A. Boardman—Wick Insert for Lamps.



60131—J. W. Boughton—Elastic Strap for Garments.

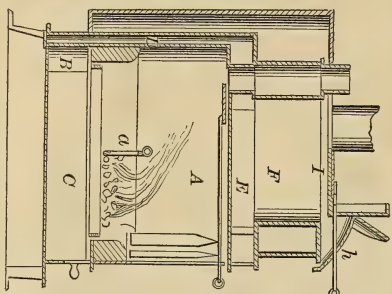


60129—J. B. Blair—Solar Camera.

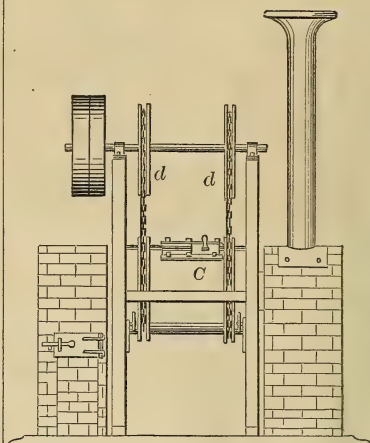
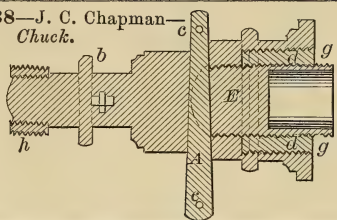




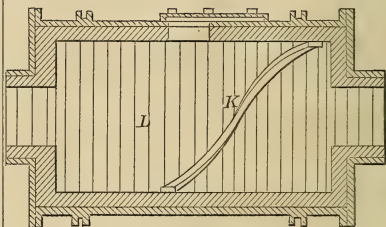
60132—L. Bridge—Heating Stove.



60138—J. C. Chapman—Chuck.



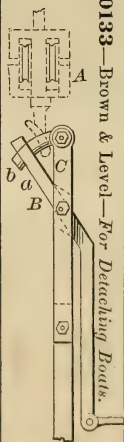
60134—W. Brückner—Furnace for Desulphurizing Ores.



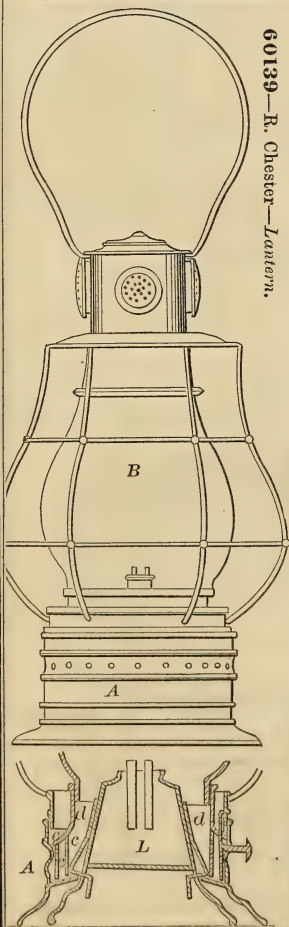
60135—A. Button—Buckle.



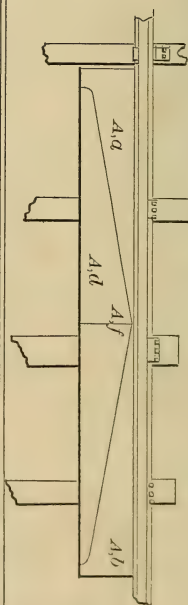
60133—Brown &amp; Level—For Detaching Boulders.



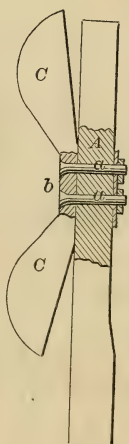
60139—R. Chester—Lantern.



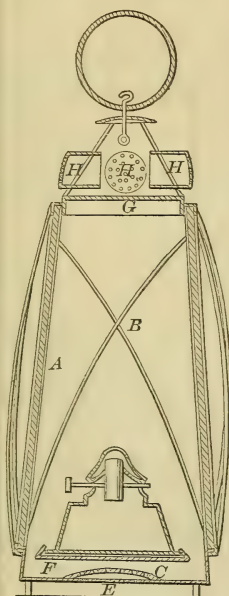
60137—G. Chambers—Car Replacer.



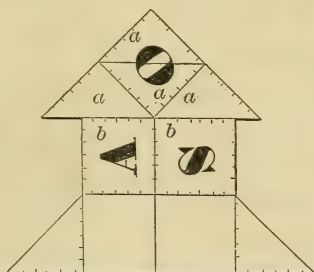
60136—A. Casebeer—For Destroying Embryo Caterpillar.



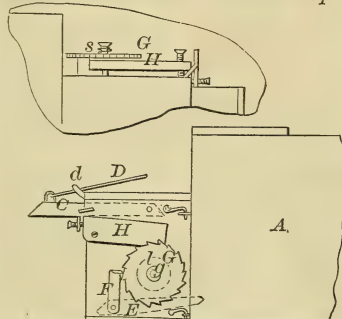
**60140**—R. Chester—*Lantern.*



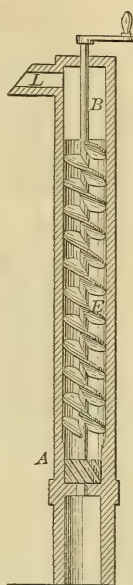
**60141**—G. H. Chinnock—*Toy Block.*



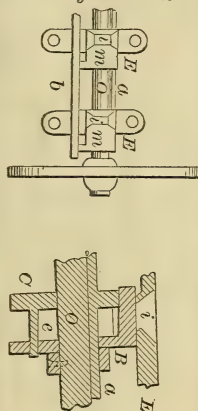
**60143**—G. E. Clarke—*Animal Trap.*



**60145**—E. H. Covel—*Centrifugal Pump.*



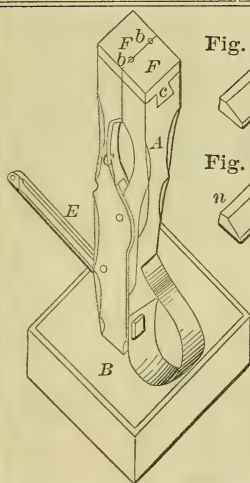
**60147**—H. D. Dann—*Seeding Machine.*



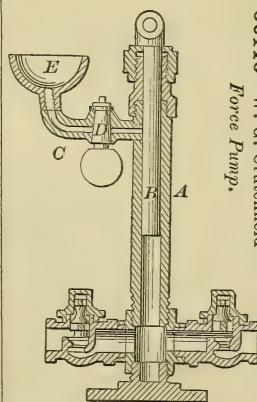
**Fig. 4**

**Fig. 5**

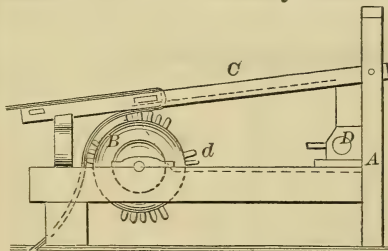
**60144**—E. Coon—*Vise.*



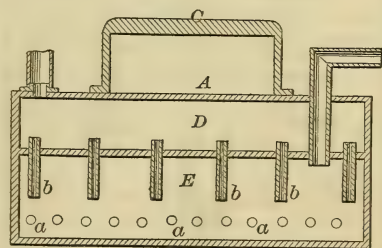
**60146**—W. G. Crutchfield—*Force Pump.*



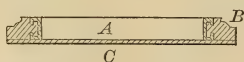
**60149**—F. Davis—*For Scouring Leather.*



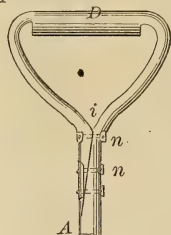
**60150**—J. S. Dennis—*Sad Iron Heater.*



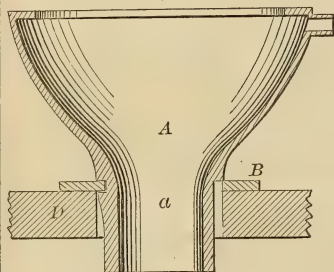
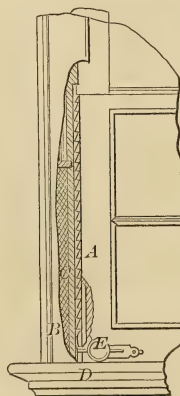
60151—A. T. De Puy—  
*Printer's Galley.*



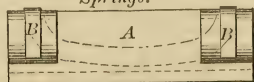
60152—C. Dimmick—  
*Spade Handle.*



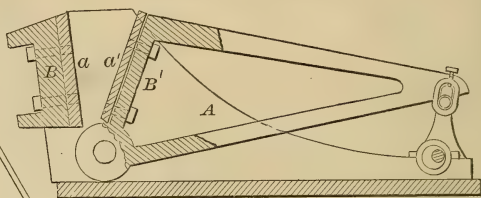
60153—R. Diven—*Privy Bowl.*  
*Flange.*

60156-E. F. Driggs—*Sash Fastener.*

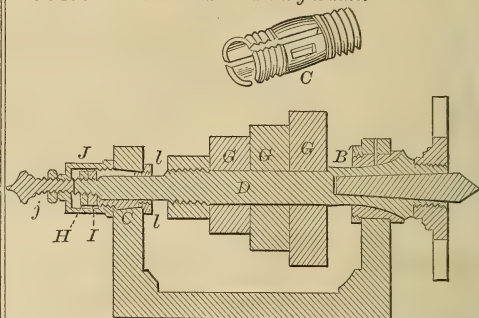
60157—J. F. Dubber—*Manufacture of Springs.*



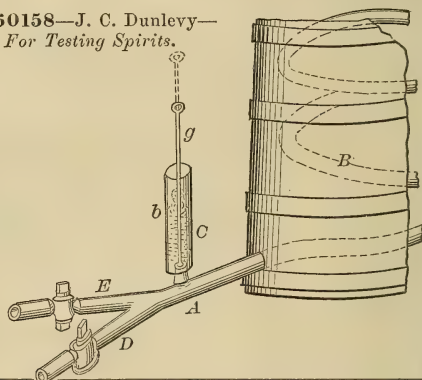
60154—M. B. Dodge—*Ore Crusher.*



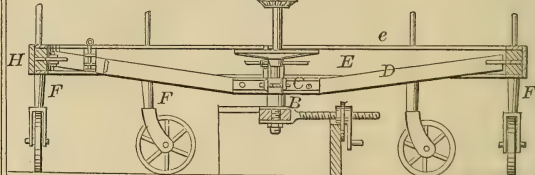
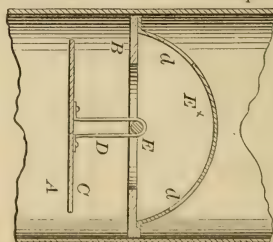
60155—R. W. Drew—*Turning Lathe.*



60158—J. C. Dunlevy—  
*For Testing Spirits.*

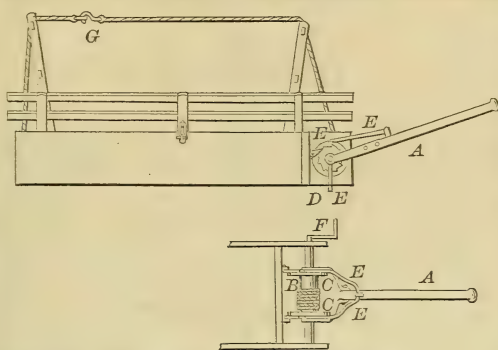


60159—G. Eichenseer—*Horse Power.*

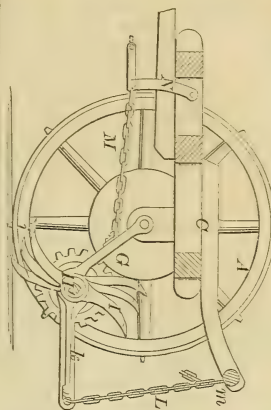
60160—C. R. Everson—*Damper.*



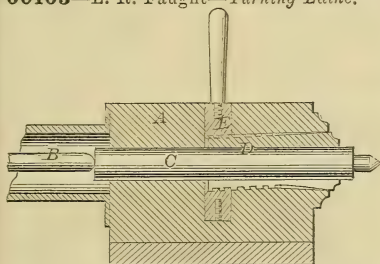
60161—F. M. Evringham—Wagon Hay Rack.



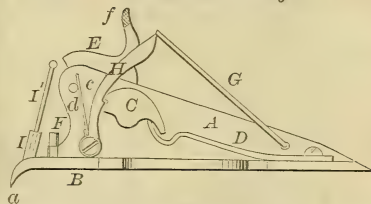
60164—J. C. Fitzgerald—Rotary Cultivator.



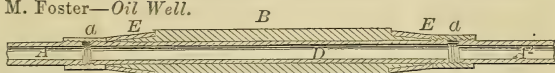
60163—L. R. Faught—Turning Lathe.



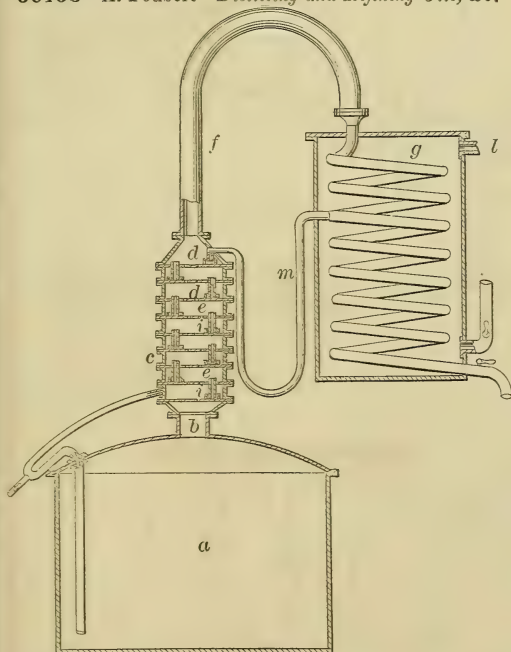
60162—W. Farnham—Burglar Alarm.



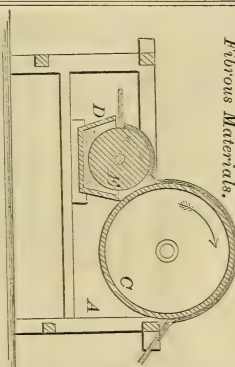
60165—T. M. Foster—Oil Well.



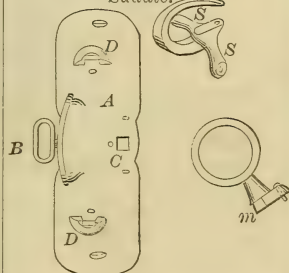
60166—A. Foubert—Distilling and Refining Oils, &c.



60167—W. Fuzard—For Sizing Fibrous Materials.

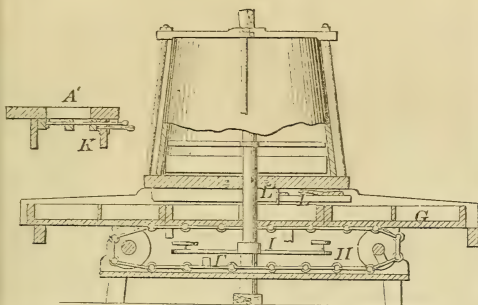


60168—J. Fye—Harness Saddle.

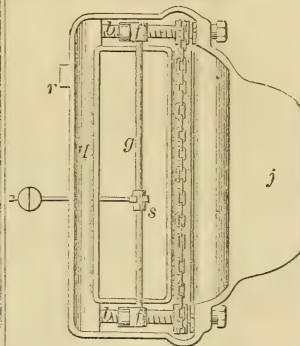




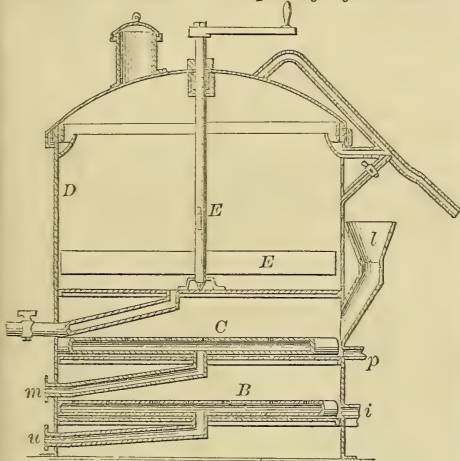
60175—G. Graezle—Brick Machine.



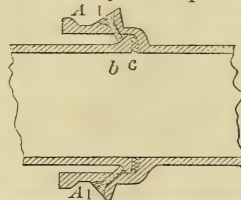
60176—J. H. Gray—For Picking Mill Stones.



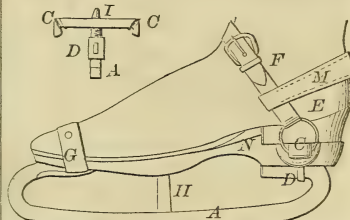
60179—F. Haack—For Imparting Age to Wines.



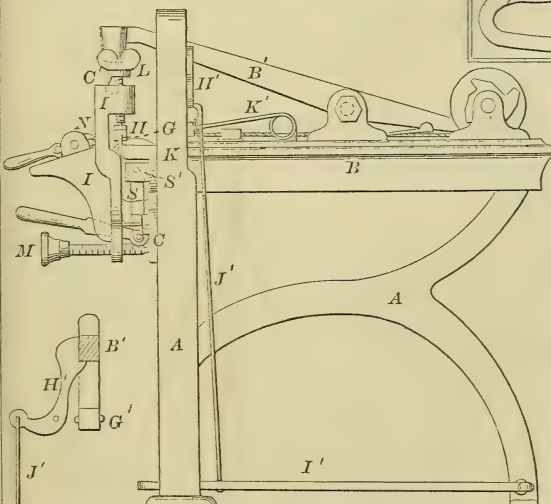
60178—A. Gwynne—Pipe Coupling.



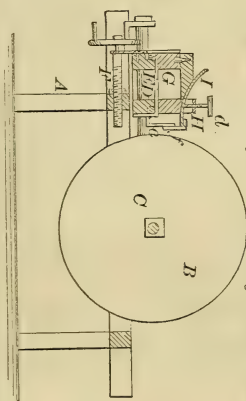
60182—T. Harcourt—Skate Fastener.



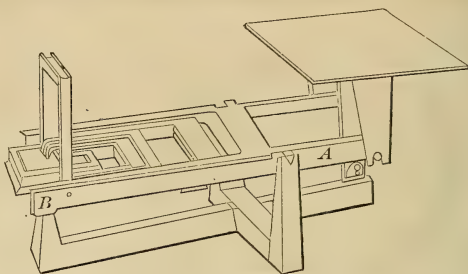
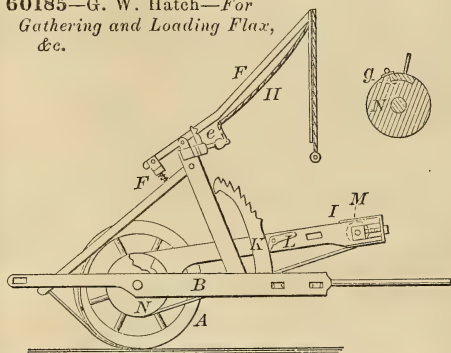
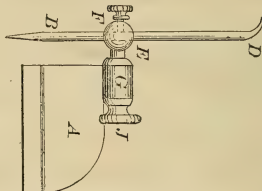
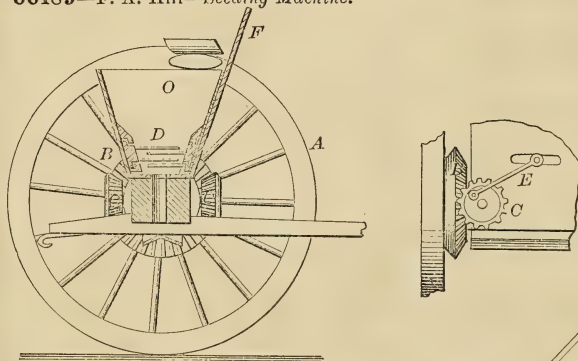
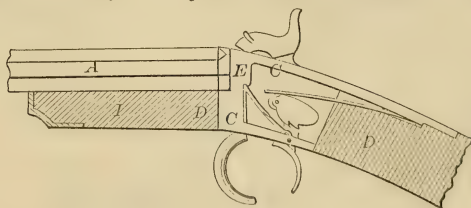
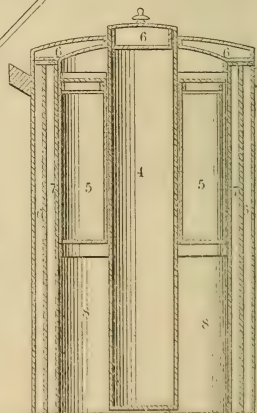
60180—S. C. Hall—For Cutting Sickle Sections.



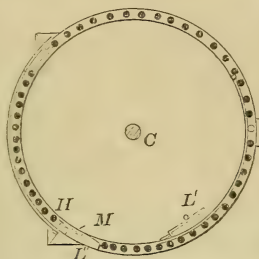
60181—T. Handy—For Grinding Metal Plates.



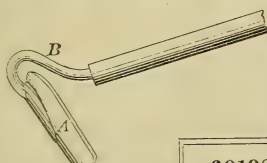


60183—G. W. Harris—*Gas Retort.*60184—S. Harris—*Balance Weight.*60185—G. W. Hatch—*For Gathering and Loading Flax, &c.*60186—R. Hathaway—*Gauge.*60189—F. A. Hill—*Seeding Machine.*60188—G. Henry—*Fitting Lock Plate to Fire Arm.*60187—J. W. Hedenberg—*Cotton Tie.*60190—N. P. Holmes—*Milk Preserver.*

60191—E. B. Horn—*Safe.*



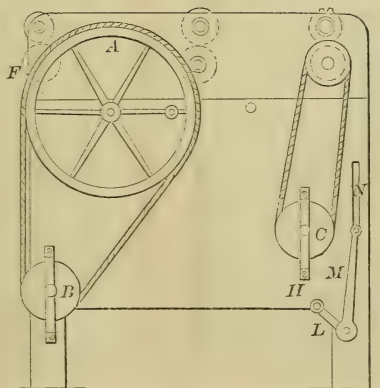
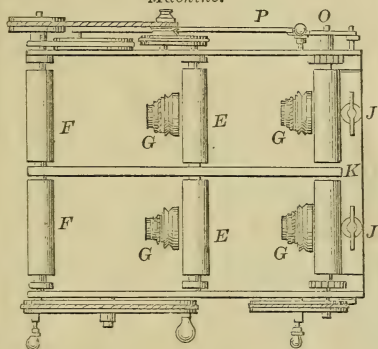
60195—A. C. Kasson—*Hoe.*



60193—  
R. S. Jennings—  
*Seal Fastener.*



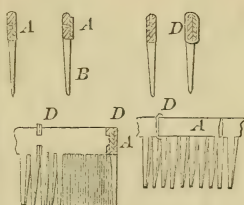
60202—W. & J. Leach—*Hand Spinning Machine.*



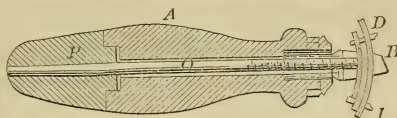
60194—J. M. Johnson—  
*Fastening for Buttons.*



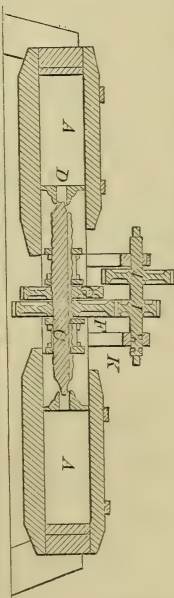
60197—E. H. Knight—*Comb.*



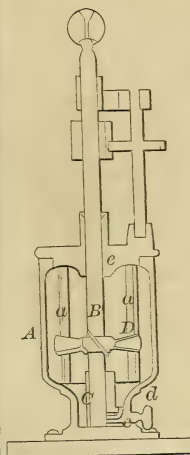
60198—J. Knox—*Boot and Shoe Iron.*



60196—W. R. King—*Baling Press.*



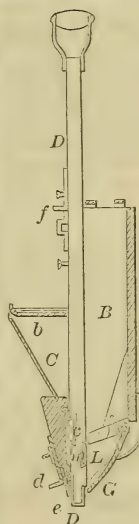
60192—R. K. Hinton—*Steam Engine Governor.*

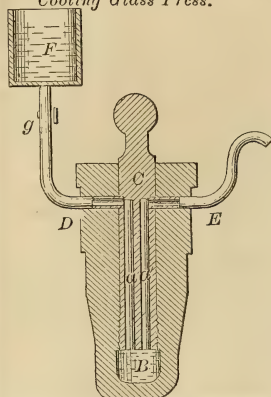
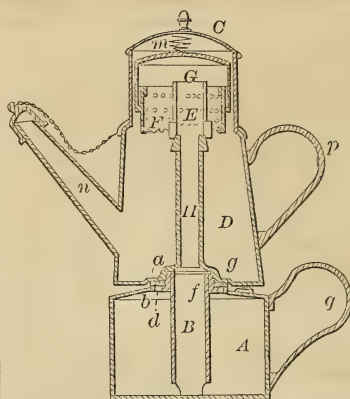
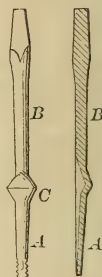
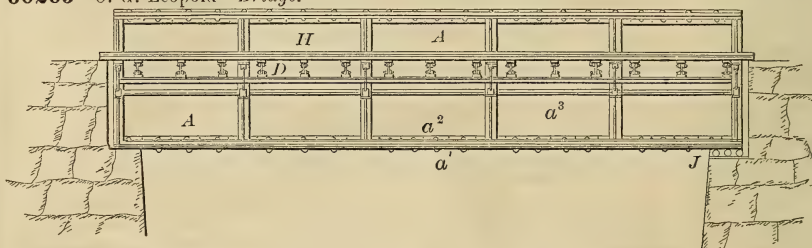
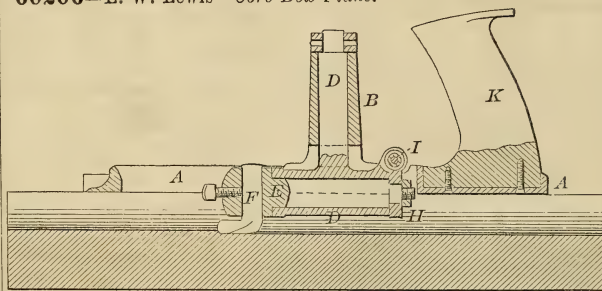
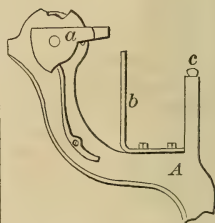
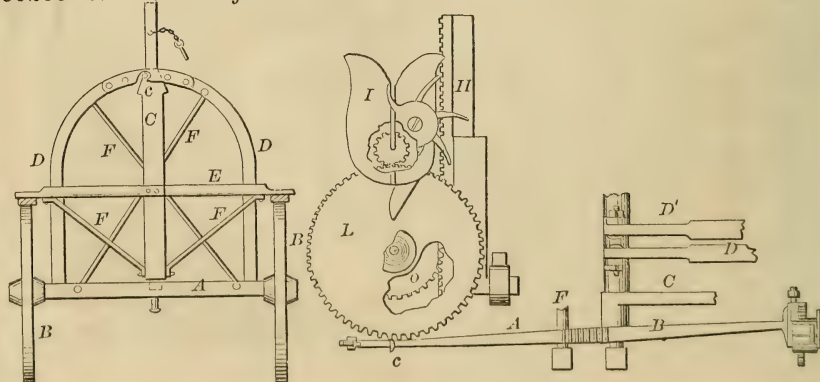


60199—G. F. Lape—*Cast Iron Arch for Bridges, &c.*



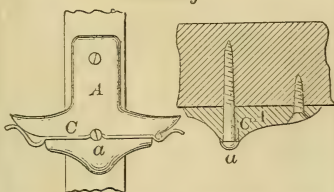
60200—J. H. Latimer—*Hand Seed Planter.*



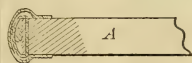
**60203**—Leasure & Gill—  
*Cooling Glass Press.***60204**—J. H. Lee—*Coffee Pot.***60207**—H. C. Lewis—*Countersink Bit.***60205**—O. G. Leopold—*Bridge.***60206**—E. W. Lewis—*Core Box Plane.***60208**—S. D. Locke—  
*Grain Binder.***60209**—J. J. Look—*Wagon Brake.*



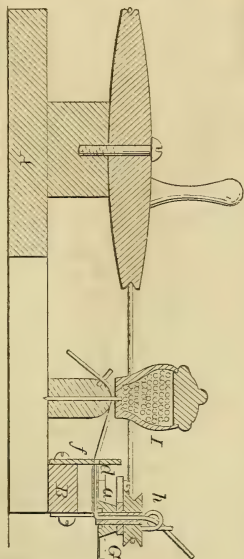
**60210**—Luther & Marsh—*Blind Fastening.*



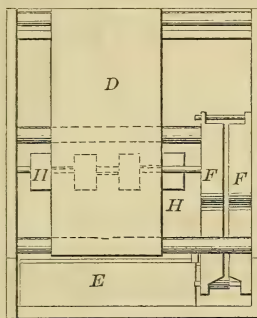
**60213**—G. Mallory—*Spring for Hat Brims.*



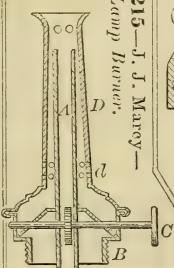
**60211**—E. T. C. Lutton—*For Shearing Twisted Strands of Wool, &c.*



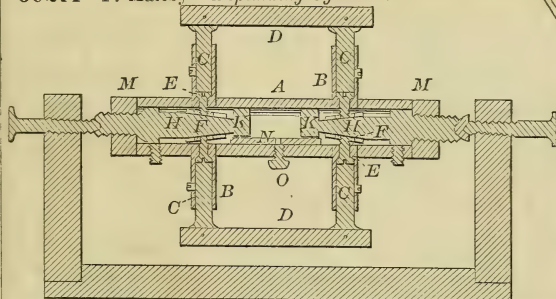
**60212**—S. C. Maine—*For Cooling and Disinfecting.*



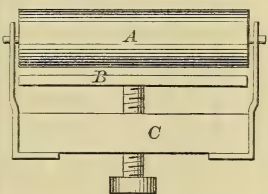
**60215**—J. J. Marcy—*Lamp Burner.*



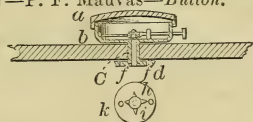
**60214**—P. Maltby—*Expanding Cylinder.*



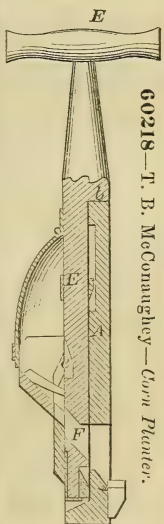
**60216**—J. B. Martindale—*Carpet Stretcher.*



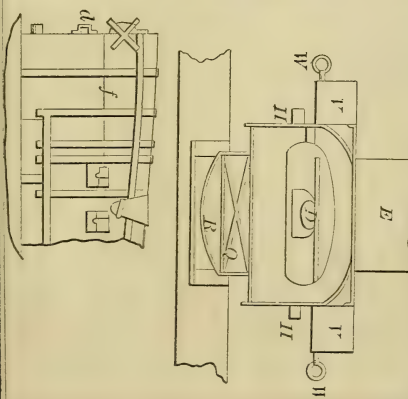
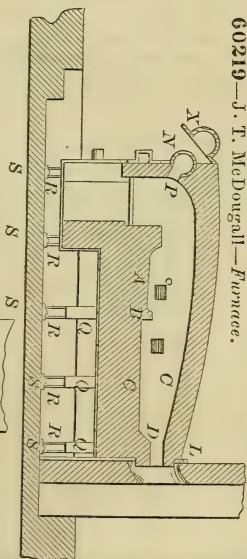
**60217**—P. F. Mauras—*Button.*



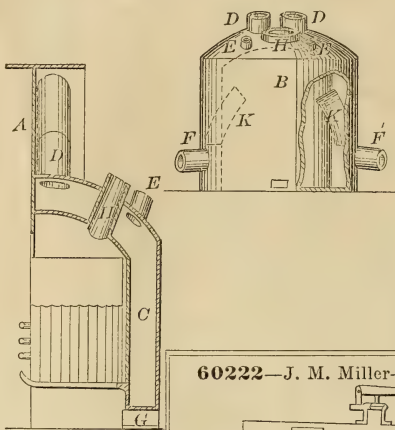
**60218**—T. B. McConaughey—*Corn Planter.*



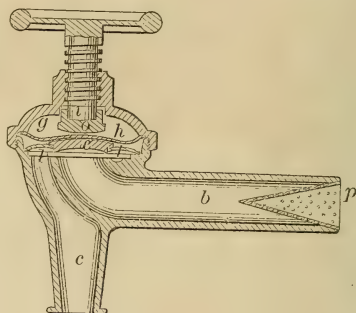
**60219**—J. T. McDougall—*Flourace.*



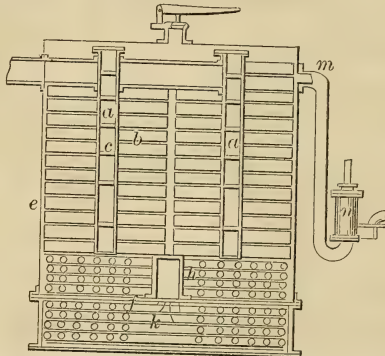
60220—W. T. McMillen—*Fire Place.*



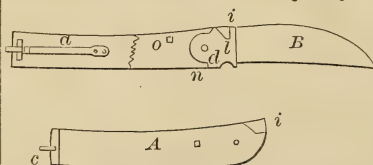
60223—O. F. Morrill—*Faucet*.



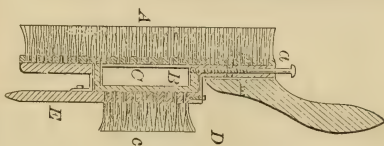
60222—J. M. Miller—*Condenser.*

60221—C. Messenger—*Broom Head.*

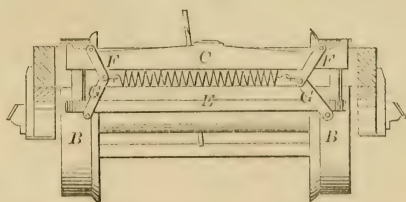
60225—L. B. Morris—*Pruning Knife.*



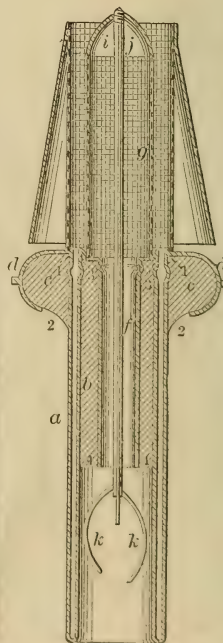
60226—C. Mulchahey—*Blacking Brush.*



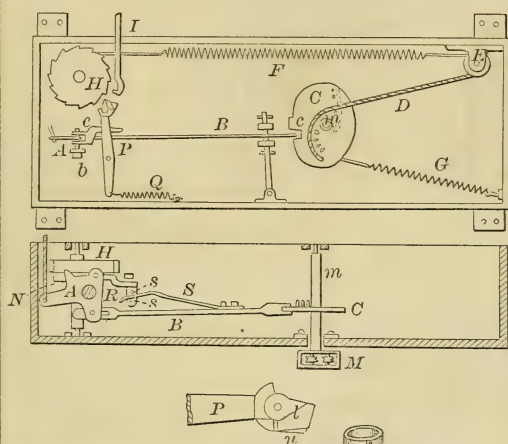
60227—D. Myers—*Car Spring*.



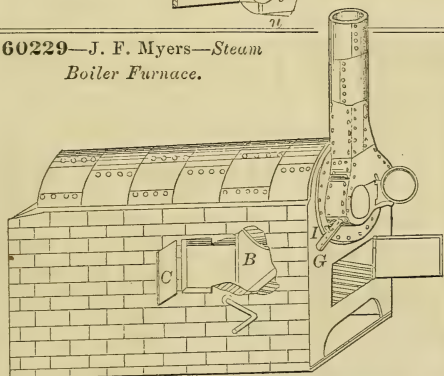
60224—O. F. Morrill—Heating Apparatus.



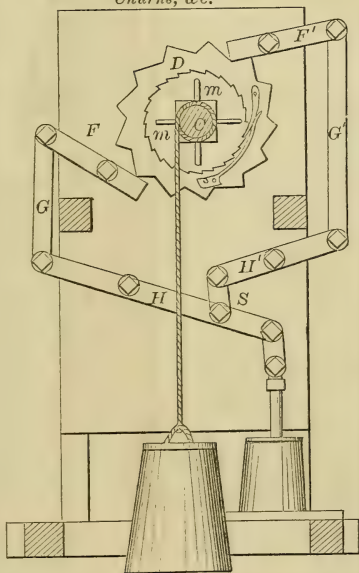
60228—D. Myers—Car Brake.



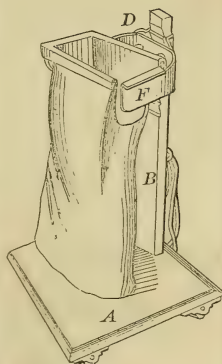
60229—J. F. Myers—Steam Boiler Furnace.



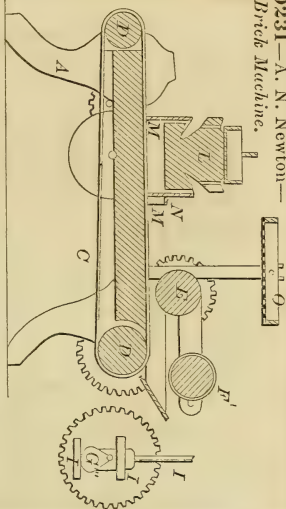
60232—J. P. Nichols—For Operating Churns, &c.



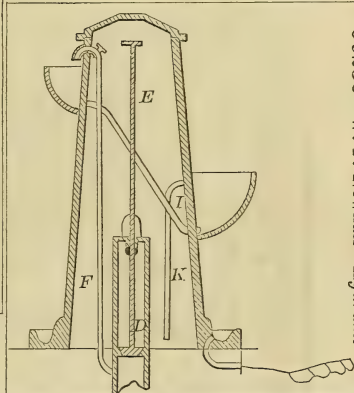
60233—J. V. H. Nott—Bag Holder.



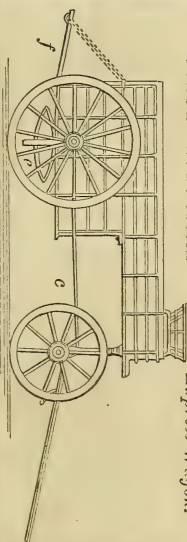
60231—A. N. Newton—Brick Machine.



60230—W. P. Newhall—Hydrant.

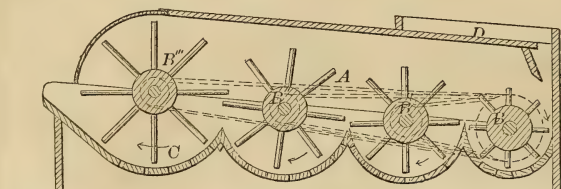


60234—W. D. Osborn—Express Wagon.





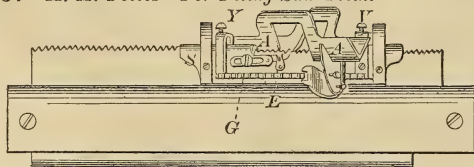
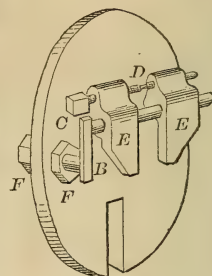
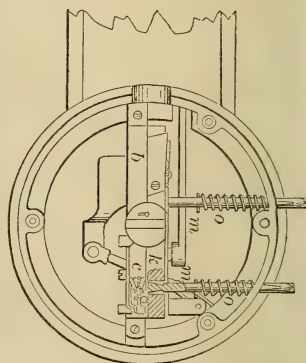
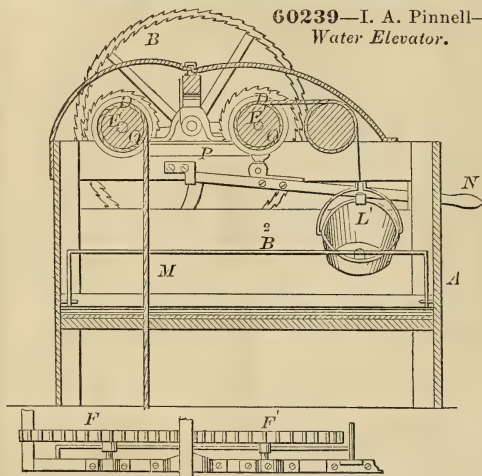
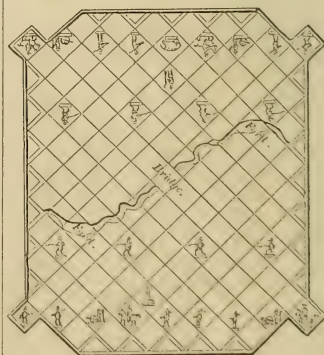
60235—J. G. Page—Cotton Picker.



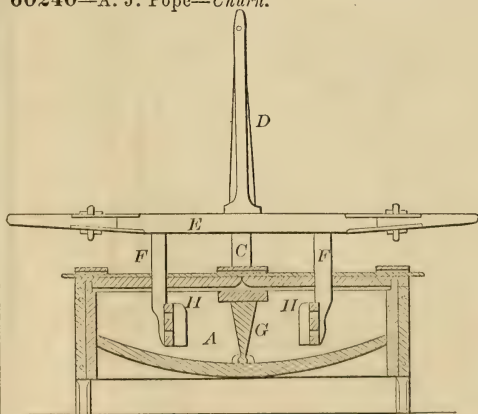
60236—S. Peck—Spring for Hat Brims.



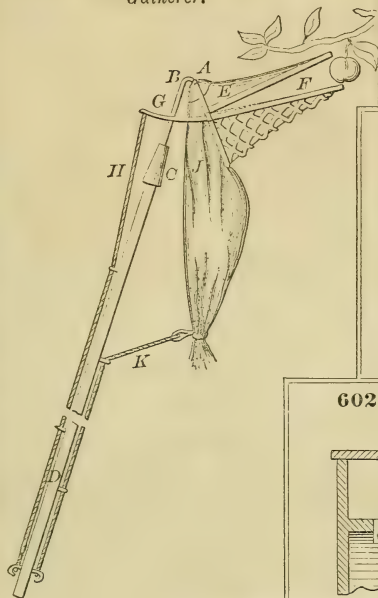
60237—M. M. Pettes—For Filing Saw Teeth.

60238—W. Pimlott—  
Lathe Dog.60241—T. K. Reed—  
Sewing Machine.60239—I. A. Pinnell—  
Water Elevator.60247—C. Richardson—Game of  
Battle War Chess.

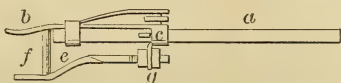
60240—A. J. Pope—Churn.



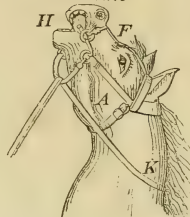
60249—Roberts & Hartzell—*Fruit Gatherer.*



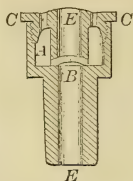
60250—D. T. Robinson—*Pole for Horse Cars.*



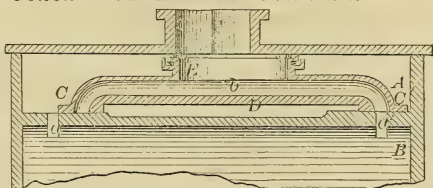
60254—A. H. Rockwell—*Bridle.*



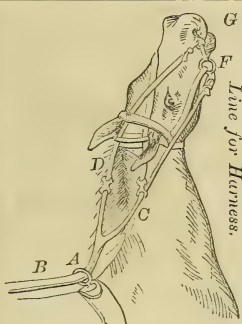
60251—Robinson & Jones—*Lubricator.*



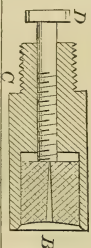
60252—W. B. Robinson—*Slide Valve.*



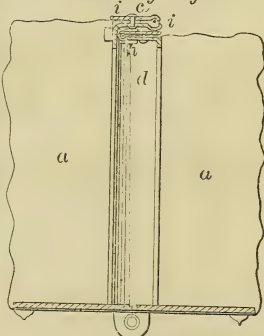
60253—A. H. Rockwell—*Safety Line for Harness.*



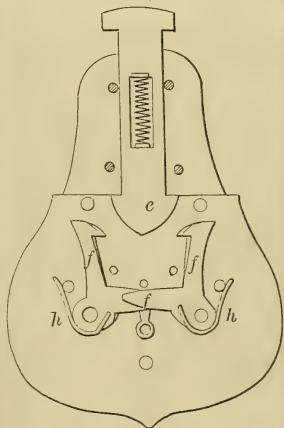
60258—E. Russell—*Clutch for Holding Buttons.*



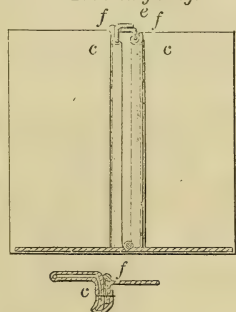
60255—E. A. G. Roulstone—*Traveling Bag.*



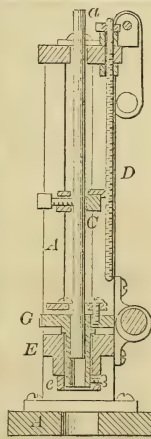
60257—E. A. G. Roulstone—*Lock.*

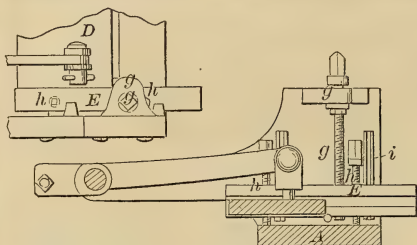
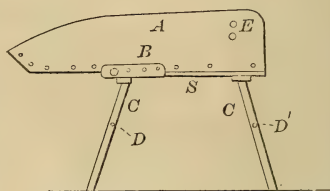
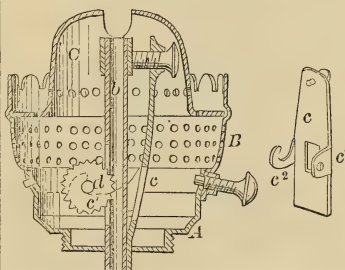
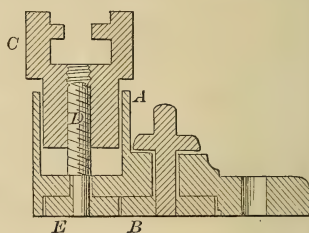
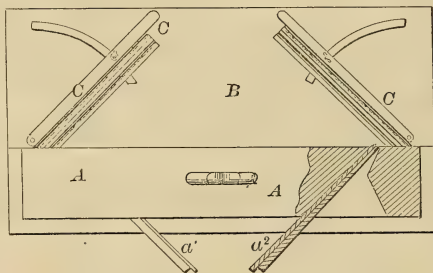
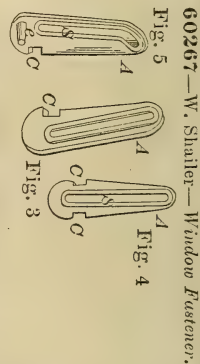
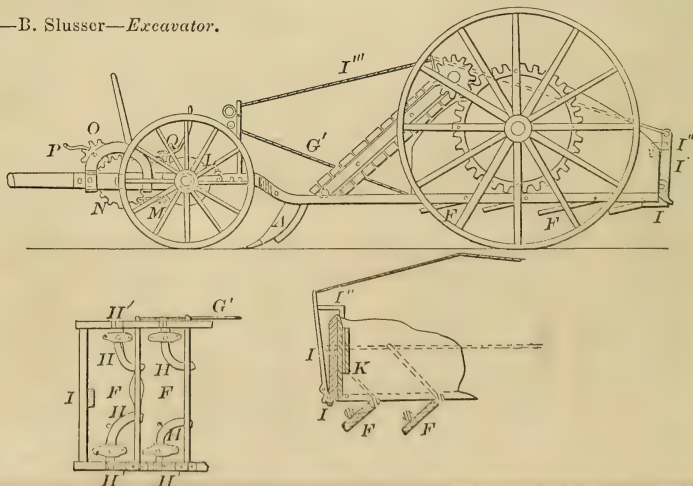


60256—E. A. G. Roulstone—*Traveling Bag.*



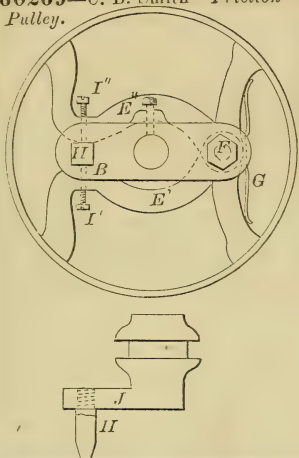
60259—R. Safety—*For Turning Shafting.*



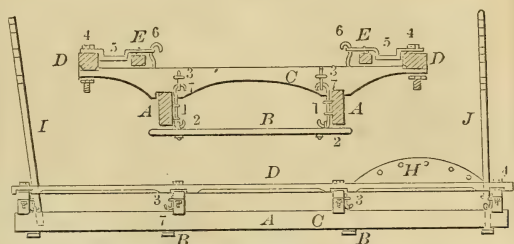
**60260**—R. Safely—*For Straightening Shafting.***60262**—Saladee & Moore—*Sheep Chair.***60261**—H. W. Sanford—*Well Drill.***60263**—J. F. Sanford—*Lamp Burner.***60266**—J. Service—*Tool Rest for Lathes.***60265**—J. Sawyer—*Mitre Plane.***60264**—A. M. Sawyer—*For Polishing Metals.***60268**—B. Slusser—*Excavator.*



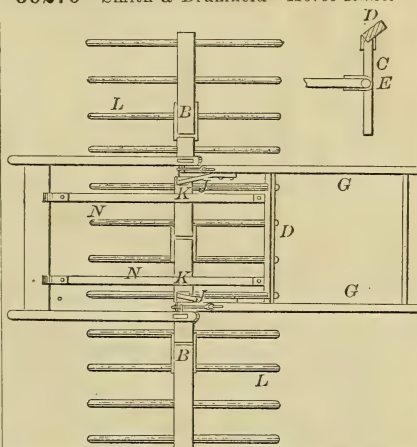
**60269**—C. B. Smith—*Friction Pulley.*



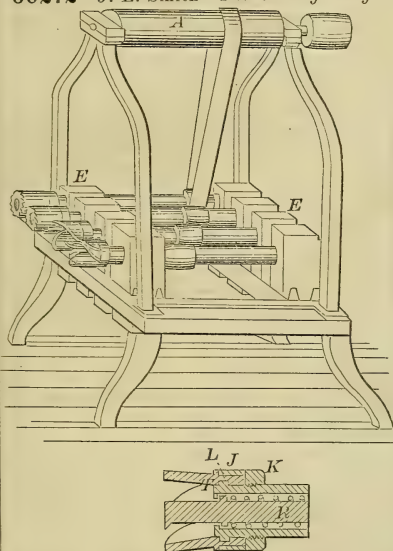
**60271**—G. Y. Smith—*Hay Rack.*



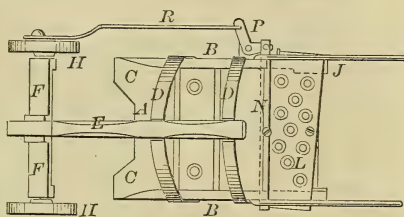
**60270**—Smith & Brumfield—*Horse Rake.*



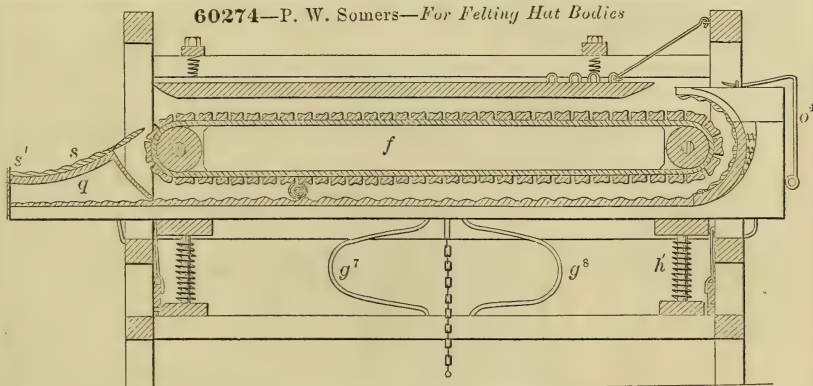
**60272**—J. E. Smith—*For Cutting Bungs.*

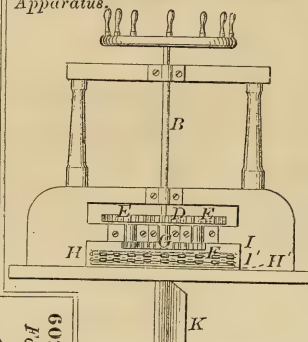
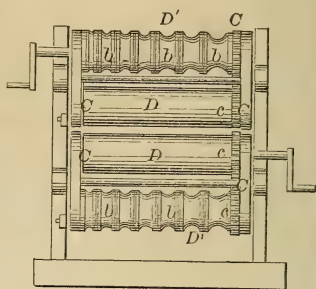
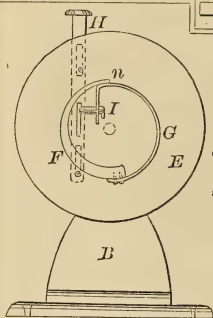
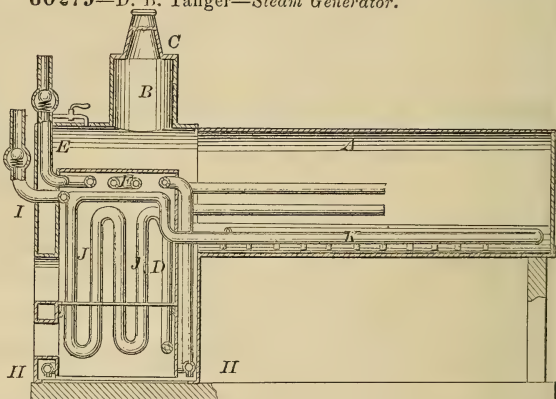
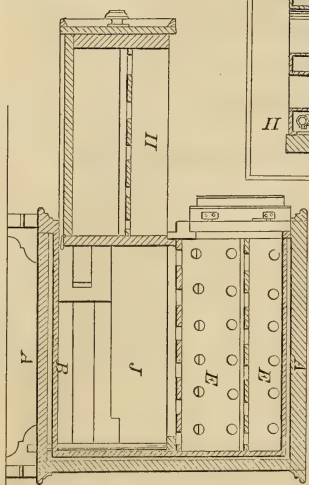
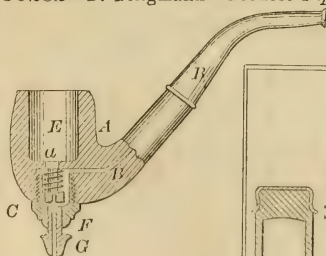
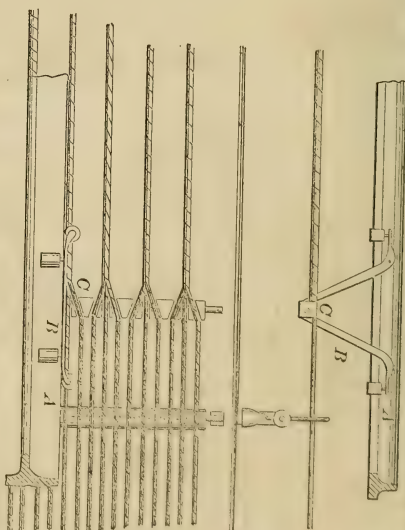


**60273**—J. V. Smith—*Potato Digger.*

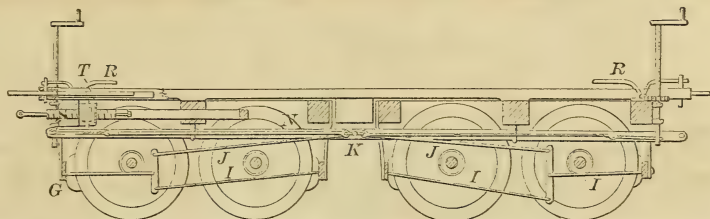


**60274**—P. W. Somers—*For Felting Hat Bodies*

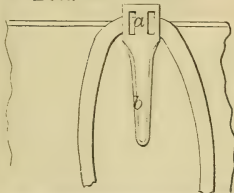


**60276**—R. Sparks—*Steering Apparatus.***60277**—Q. Stoddard—*For Rolling Leather.***60275**—P. W. Somers—*Roll for Felling or Sizing Hat Bales.***60278**—Stoner & Sigwalt—*For Boring Paper Collars.***60279**—D. B. Tanger—*Steam Generator.***60281**—H. R. Taylor—*Refrigerator.***60282**—F. Tellmann—*Tobacco Pipe.***60283**—N. Thompson—*Bottle Stopper.***60280**—Taylor, Crandall, Crandall & Larkin—*For Molding Tissue.*

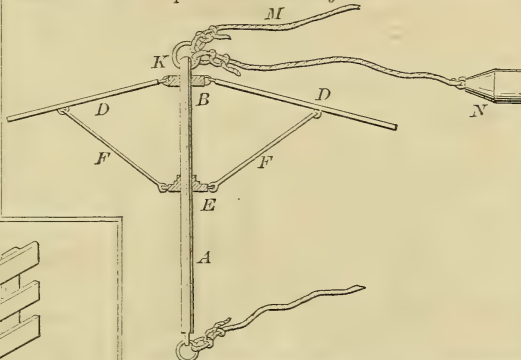
60284—S. H. Timmons—*Car Brake*.



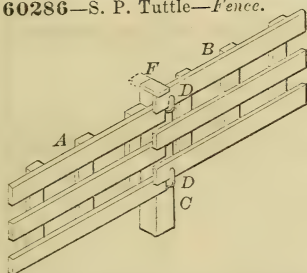
60285—P. Tompsett, Jr.—*Book Mark Holder*.



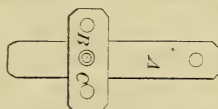
60287—G. L. Upton—*Vessel Drag*.



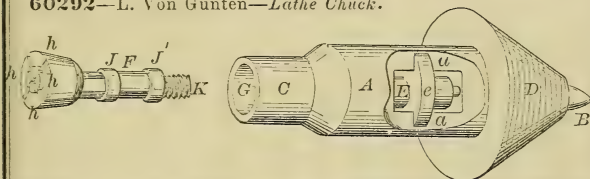
60286—S. P. Tuttle—*Fence*.



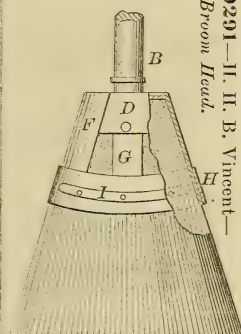
60288—S. W. Valentine—*Trunk*.



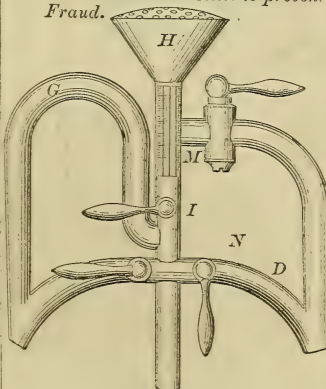
60292—L. Von Gunten—*Lathe Chuck*.



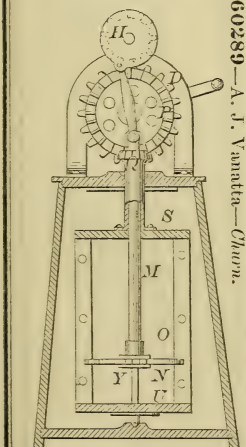
60291—H. B. Vincent—*Broom Head*.



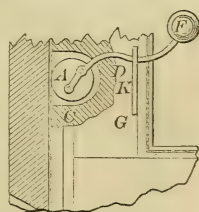
60294—W. J. Walker—*Apparatus to be attached to Stills to prevent Fraud*.



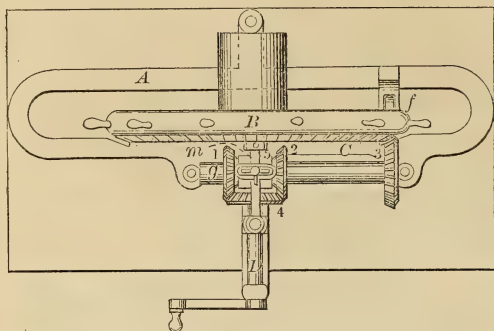
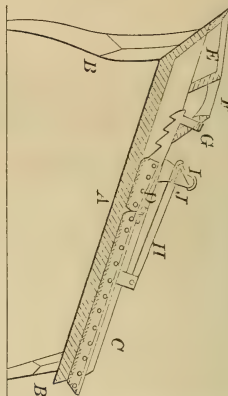
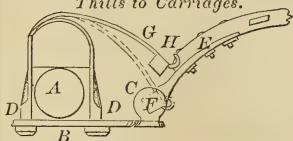
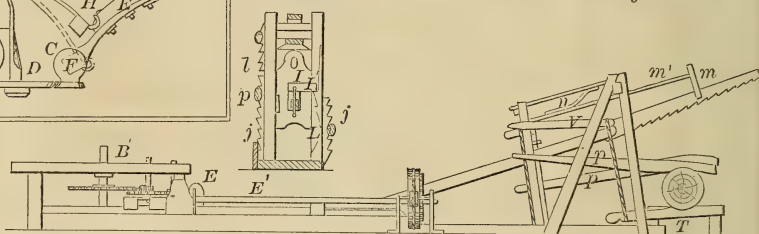
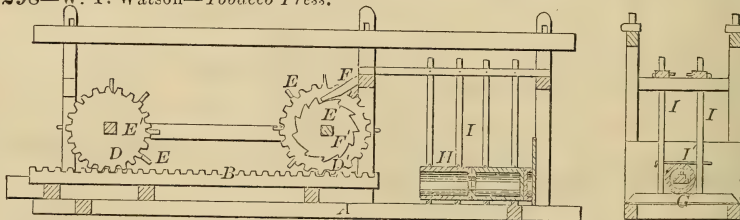
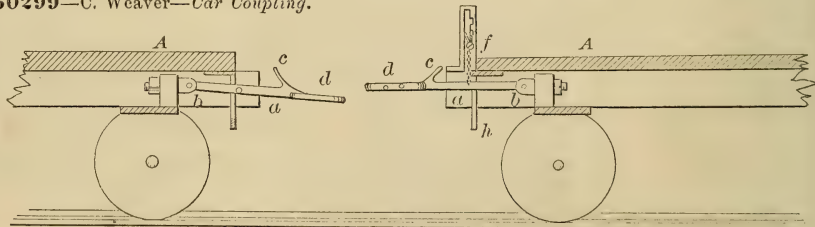
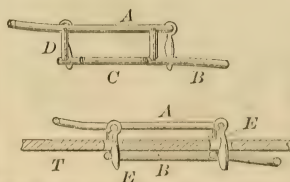
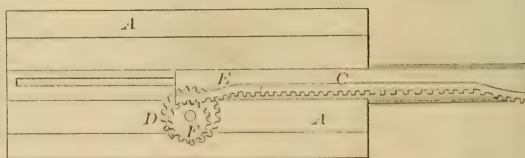
60289—A. J. Vanatta—*Churn*.



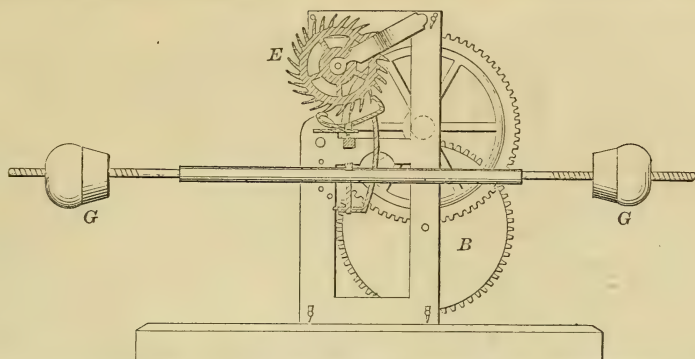
60293—Z. B. Wakeman—*Sash Fastener*.



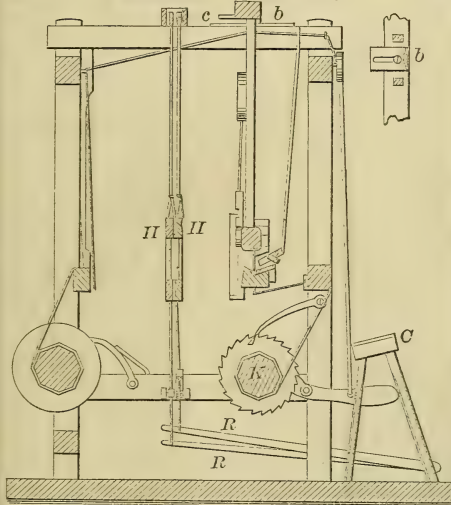


60295—S. L. Walkinshaw—*Steering Apparatus.*60300—A. Wells—*Cotton Seed Cleaner.*60296—S. H. Ward—*Attaching Thills to Carriages.*60297—A. E. & J. V. Warner—*Sawing Machine.*60298—W. T. Watson—*Tobacco Press.*60299—C. Weaver—*Car Coupling.*60302—W. Welsh—*Buckle.*60301—C. Wells—*Rack Motion for Hand Presses.*

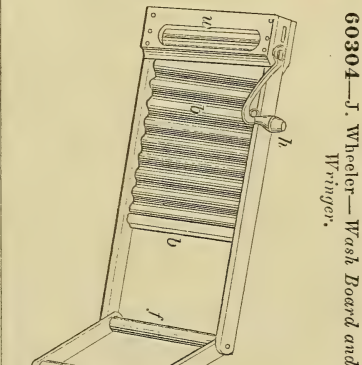
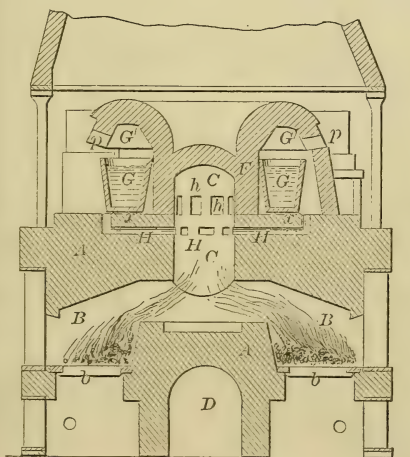
60303—W. D. Whalen—Pendulum.



60305—J. Whitehead—Hand Loom.

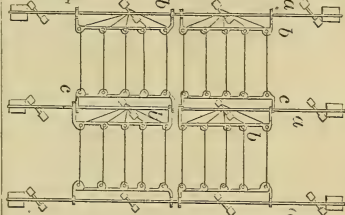


60307—S. A. Whitney—Melting Furnace.

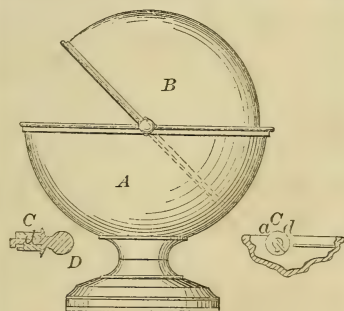


60304—J. Wheeler—Wash Board and Wringer.

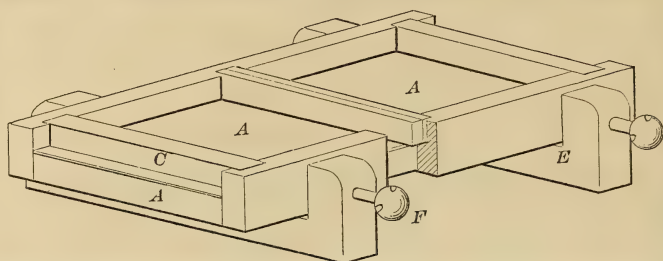
60306—L. H. Whitney—For Training Hops.



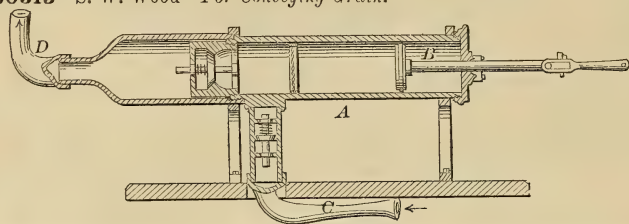
60308—W. M. Whittaker—Butter Dish.



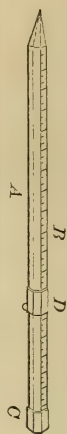
60310—J. J. Wiggin—Mould for Plastic Material.



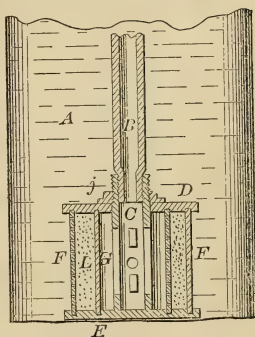
60313—S. W. Wood—For Conveying Grain.



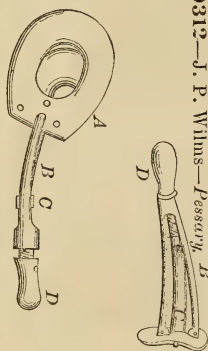
60315—B. Worcester—Scale Pencil.



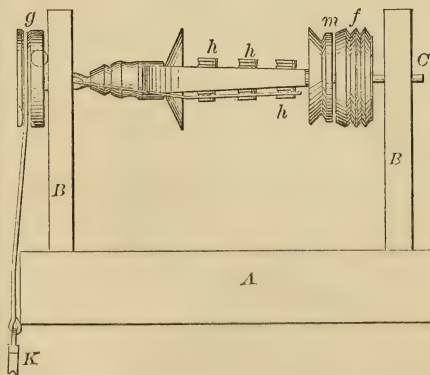
60311—W. H. Wiley—Well and Cistern Filter.



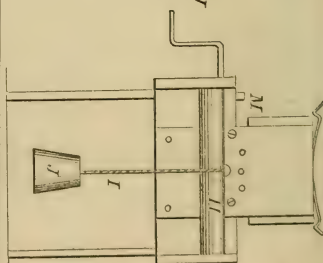
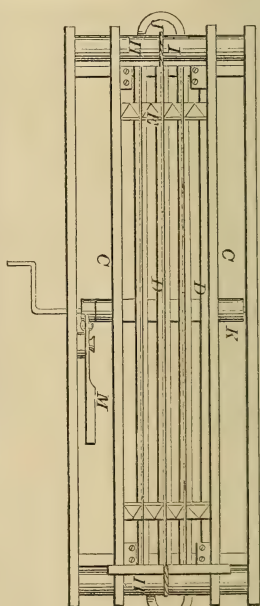
60312—J. P. Wilms—Lessing Is.



60314—T. Woods—Stone Drill.



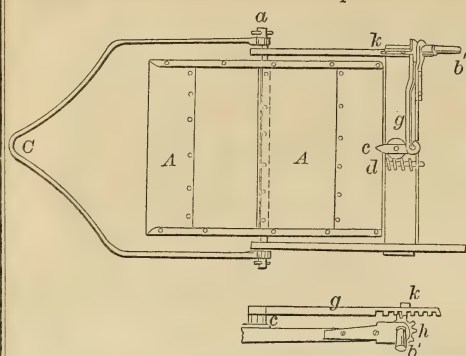
60316—J. M. Worcester—For Tying and Picking Wool.



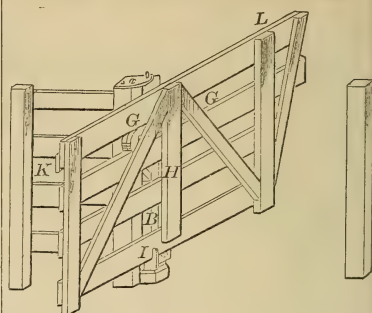




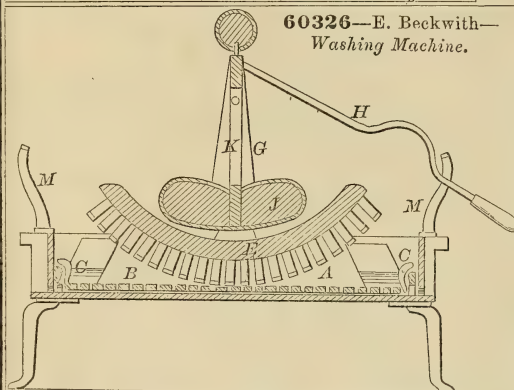
60325—Beall &amp; Grim—Road Scraper.



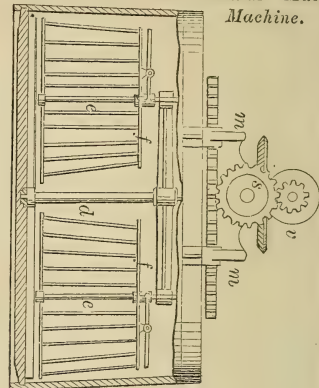
60331—W. W. Bratt—Fence Gate.



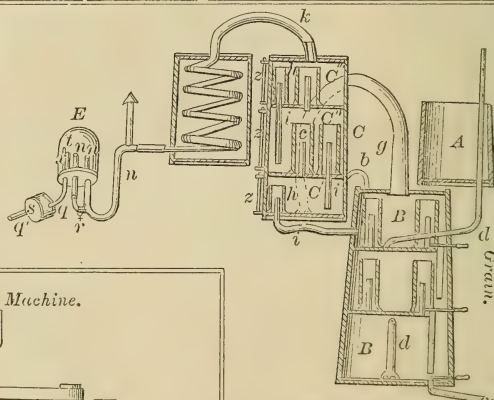
60326—E. Beckwith—Washing Machine.



60330—Brand &amp; Hoffmann—Mash Machine.

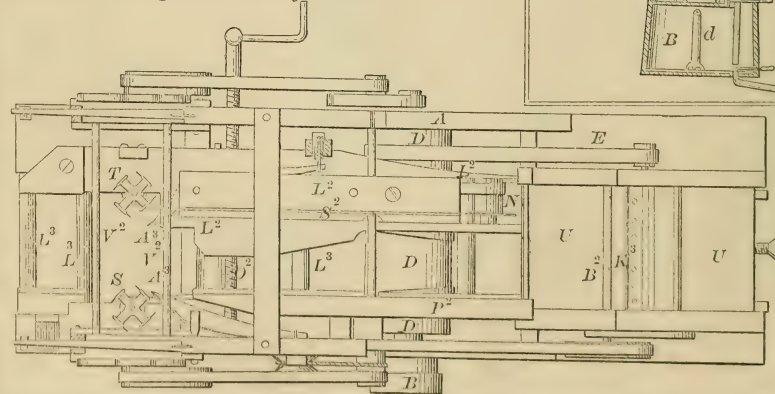


60329—J. Bird—Cast Iron Chain Pulley.

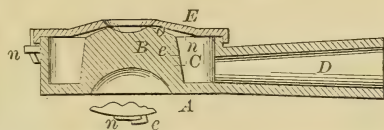


60327—Beebe &amp; Lloyd—For Distilling Grain.

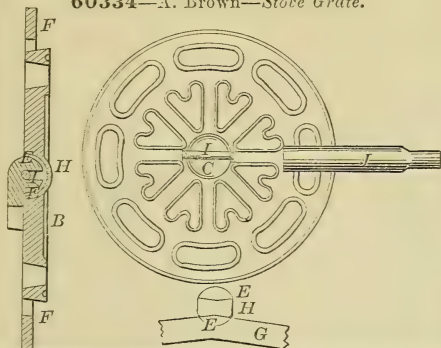
60332—O. Bridgeman—Planing Machine.



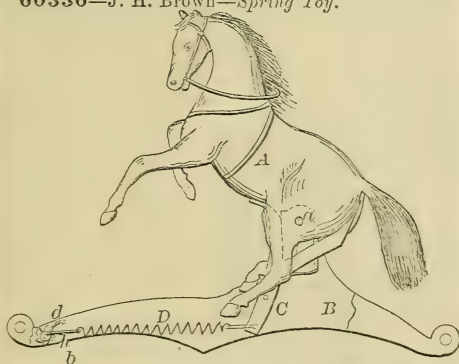
60333—T. E. C. Brinly—*Tuyere.*



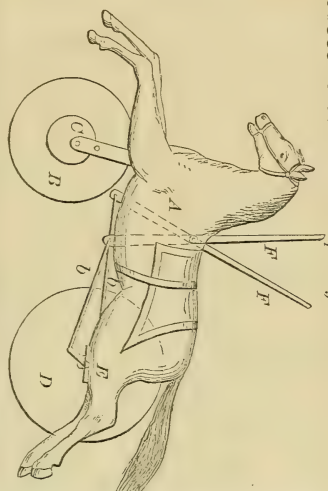
60334—A. Brown—*Stove Grate.*



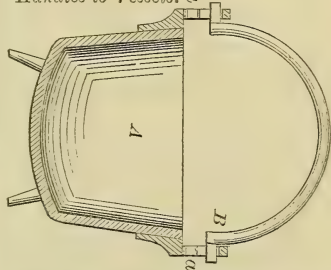
60336—J. H. Brown—*Spring Toy.*



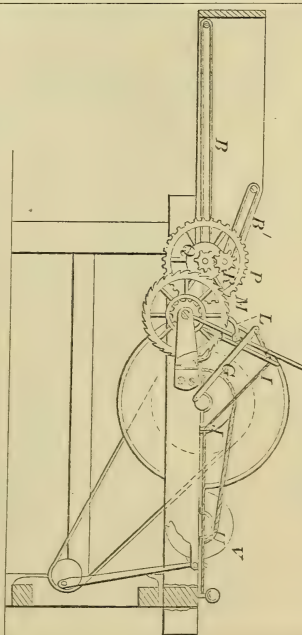
60335—J. H. Brown—*Propelling Horse.*



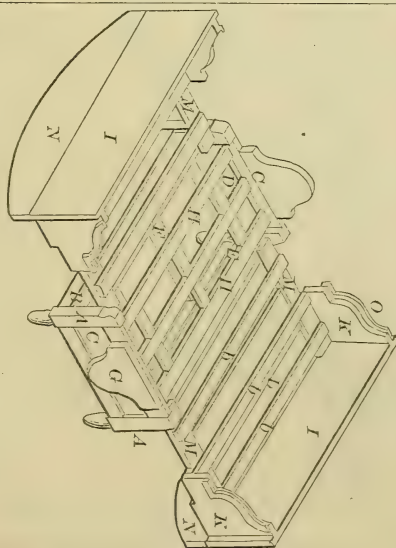
60337—J. H. Brown—*Attaching Handles to Vessels.*



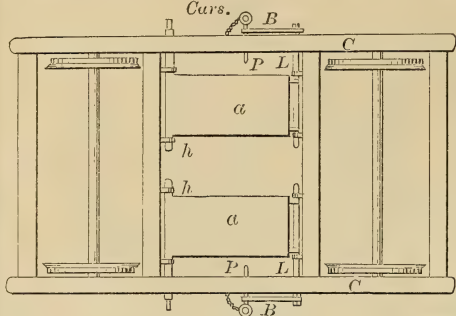
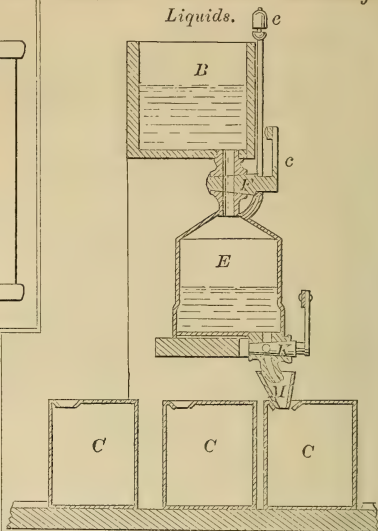
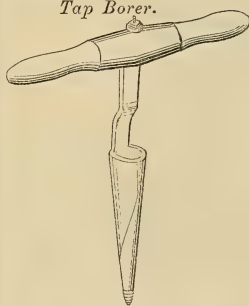
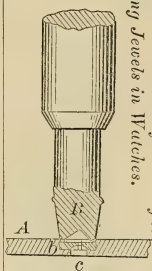
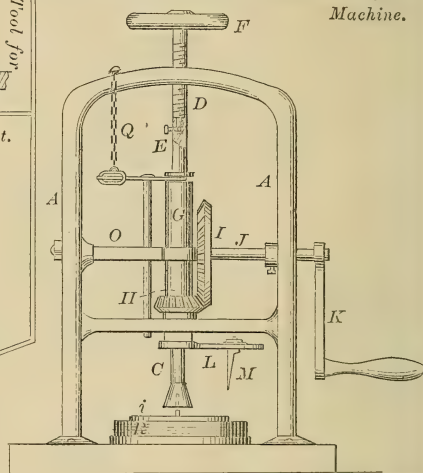
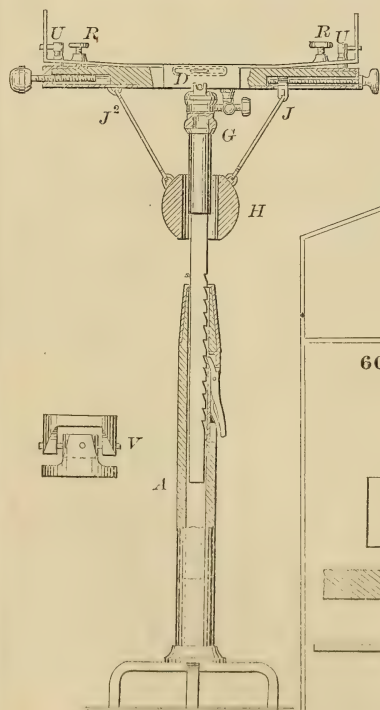
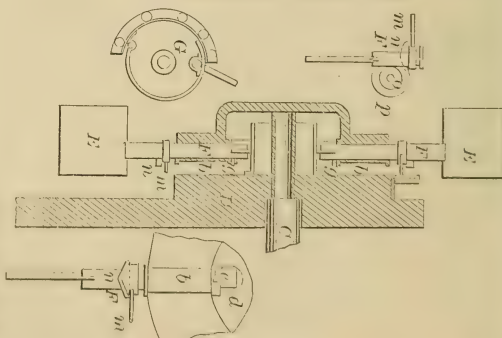
60338—G. Bruce—*Feeding Device for Carding Engines.*



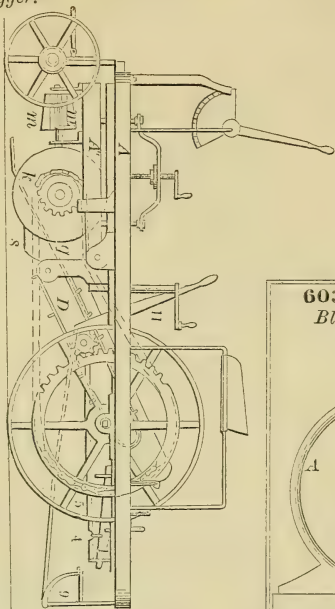
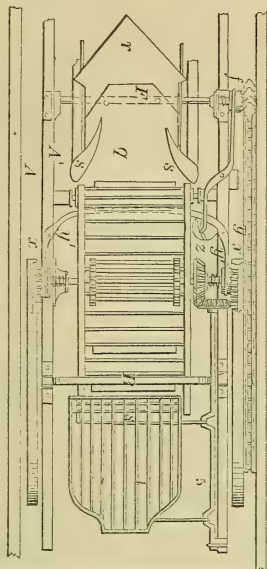
60339—S. S. Burr—*Tumble and Belatast.*



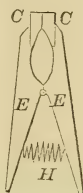


**60340**—W. Burt—Fastening Drop Doors in Coal Curs.**60344**—G. W. Devoc—Measuring Liquids.**60342**—S. S. Crocker—Tap Borer.**60343**—A. C. Crosby—Tool for Setting Jewels in Watches.**60341**—J. J. Butler—Rotary Cutting Machine.**60346**—S. L. Donnell—Grading Instrument.**60345**—J. V. Dinsmore—Paddle Wheel.

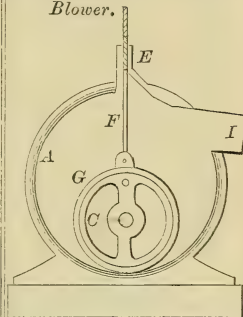
60347—M. T. Drake—*Potato Digger.*



60351—W. Fisher—*Bed Clothes Clamp.*

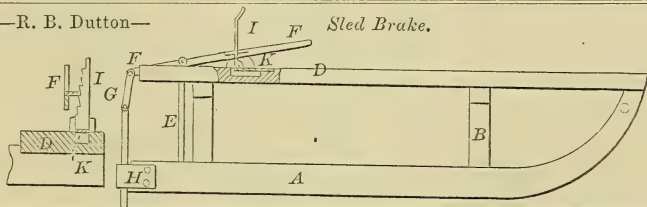


60350—J. A. Evarts—*Blower.*

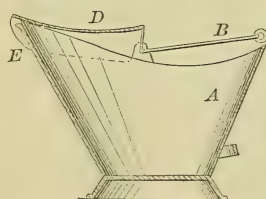


60348—R. B. Dutton—

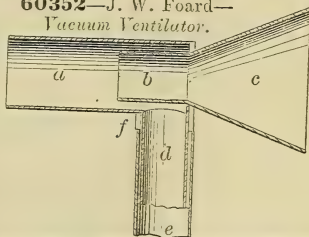
*Sled Brake.*



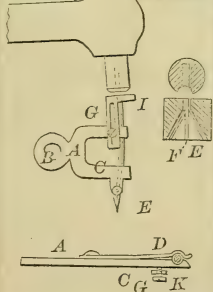
60349—E. Eltinge—*Coal Scuttle.*



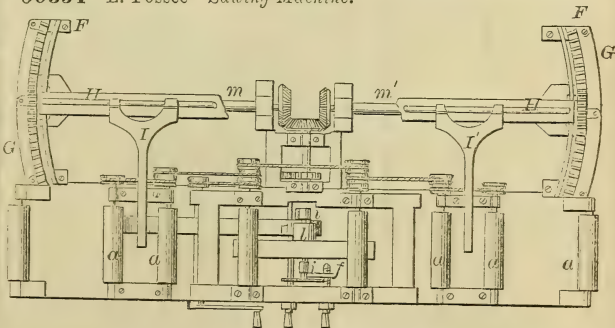
60352—J. W. Foard—*Vacuum Ventilator.*



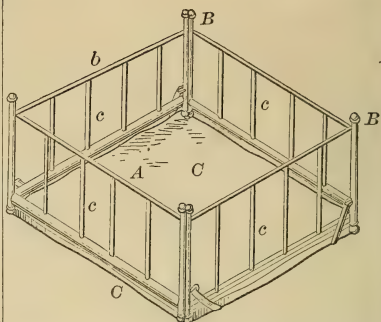
60353—M. B. Foote.  
*Needle Threader for Sewing Machine.*



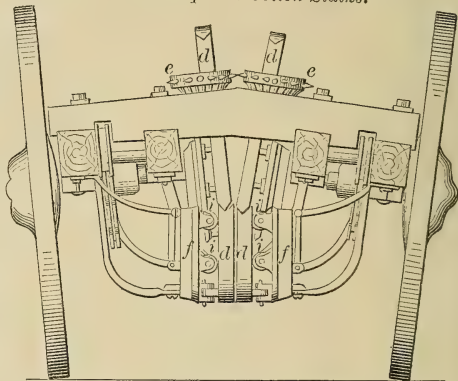
60354—L. Fossee—*Sawing Machine.*



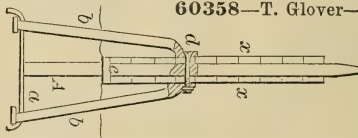
60357—W. L. Gerard—Crib for Children.



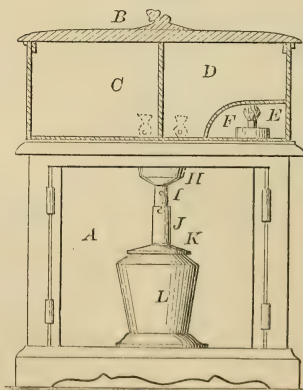
60359—A. W. Goddard—For Pulling Hemp and Cotton Stalks.



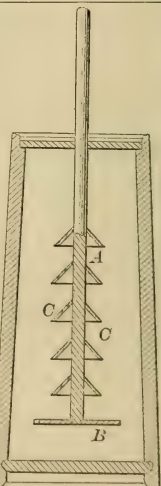
60358—T. Glover—Fence.



60362—S. B. Guernsey—Wash Stand.



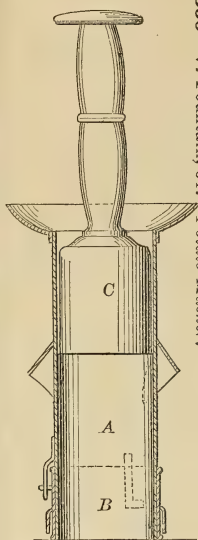
60363—A. W. Hall—Churn Dashers.



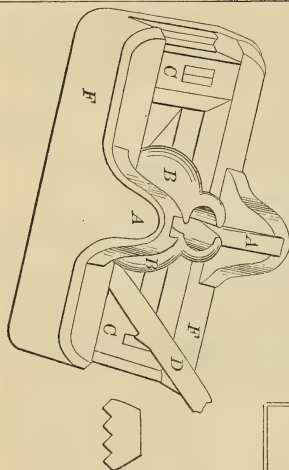
60356—J. H. French—State.



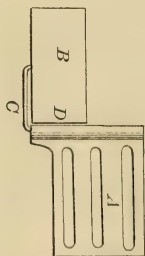
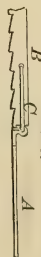
60355—V. Fountain, Jr.—Potato Washer.



60361—N. W. Green—Gripping Tool.

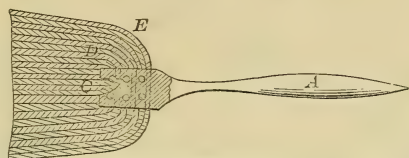


60360—H. C. Goodrich—Sewing Machine

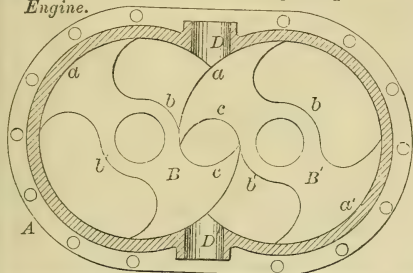




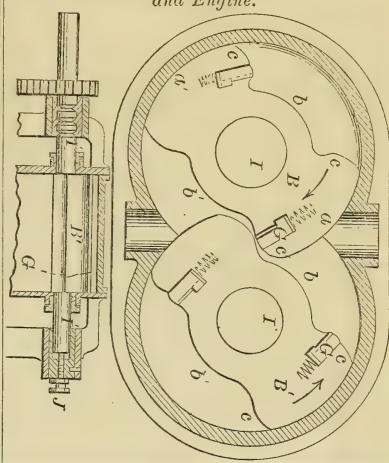
60364—A. S. Hadley—Disk Mop.



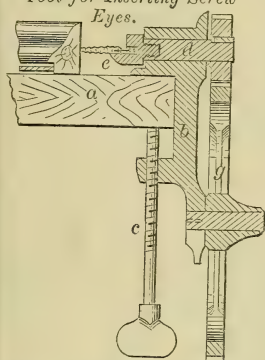
60365—D. D. Hardy—Rotary Pump and Engine.



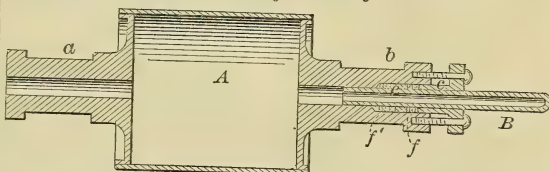
60366—Hardy & Morris—Rotary Pump and Engine.



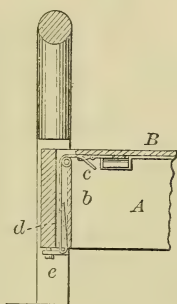
60367—B. T. Harris—  
Tool for Inserting Screw  
Eyes.



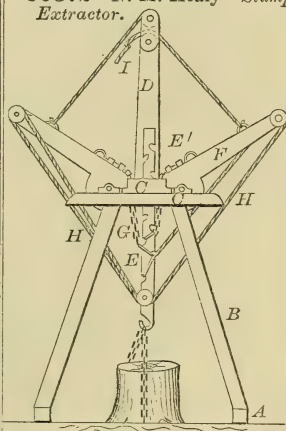
60369—J. Hatch—Packing Revolving Joints.



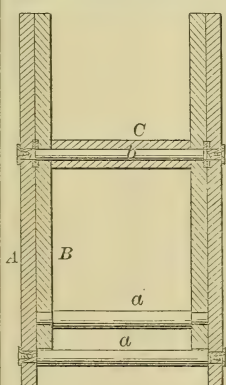
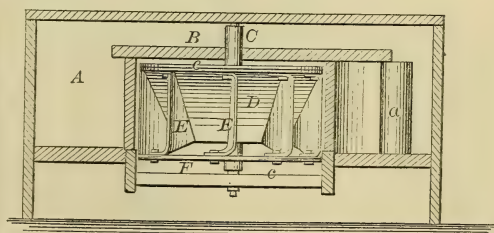
60368—W. J. Haswell—  
Bed Bottom.



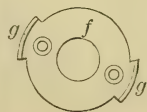
60372—N. M. Healy—Stump  
Extractor.



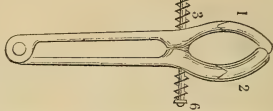
60373—S. Hicks—Water Wheel.



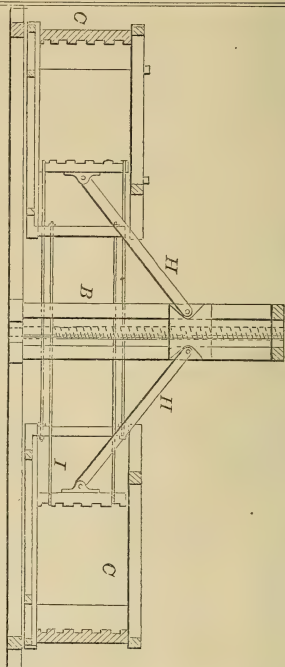
60371—H. M. Hayward—Saw Horse or Buck.



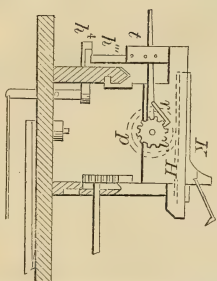
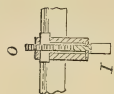
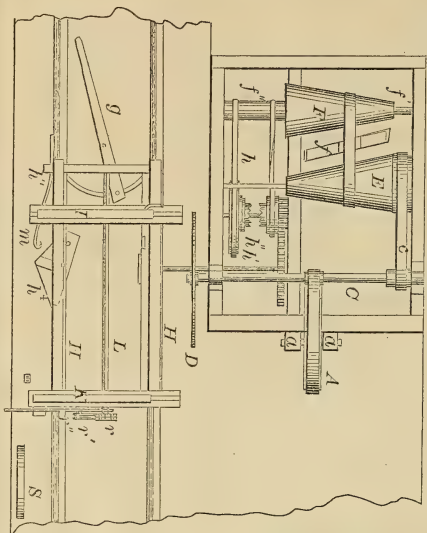
60375—M. &amp; S. Housman—Corn Shelter.



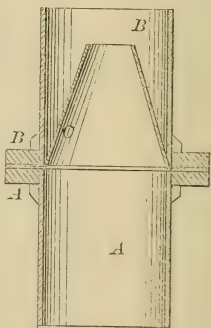
60376—G. D. Howe—Baling Press.



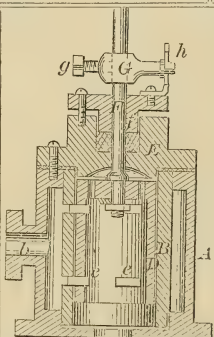
60374—J. A. Holford—Sieve Mill.



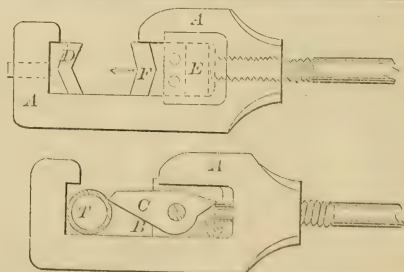
60379—G. A. Jasper—Steam Pipe.



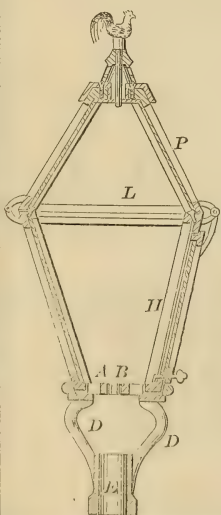
60378—G. G. Hunt—Steam Valve.



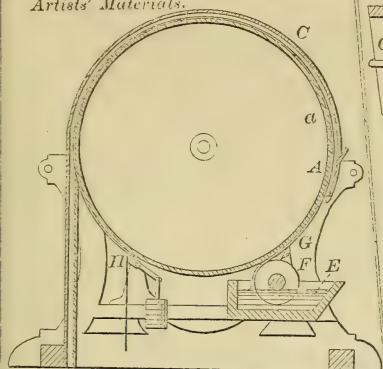
60380—J. V. Jenson—Tool for Cutting Tubes.



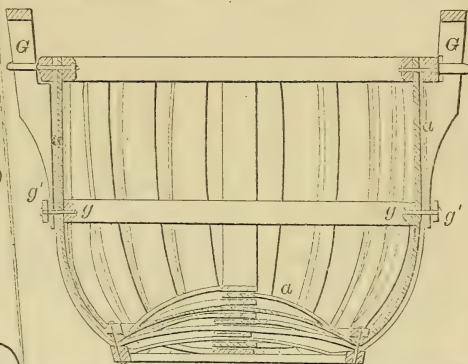
60377—A. R. &amp; E. A. Hunt—Steel Lantern.



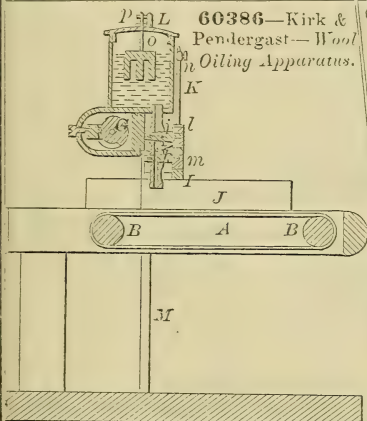
**60382**—G. D. Jones—*For Drying Artists' Materials.*



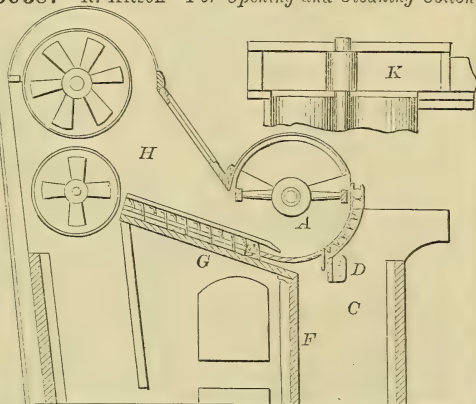
**60383**—H. C. Jones—*Basket.*



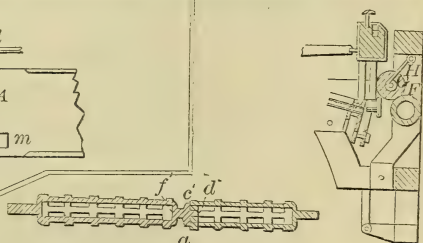
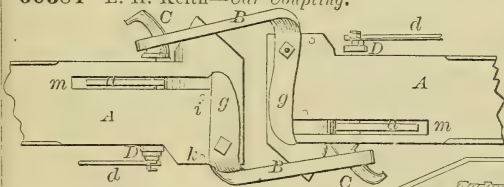
**60386**—Kirk & Pendergast—*Wool Oiling Apparatus.*



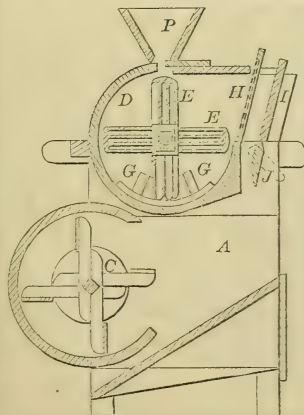
**60387**—R. Kitson—*For Opening and Cleaning Cotton.*



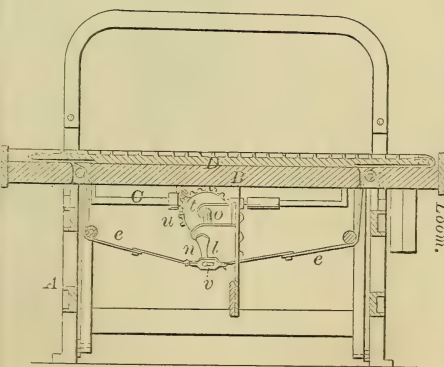
**60384**—E. H. Keith—*Car Coupling.*



**60385**—B. Kemp—*Ironing Mtl.*

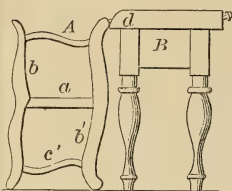


**60388**—L. J. Knowles—*Narrow Weave Loom.*

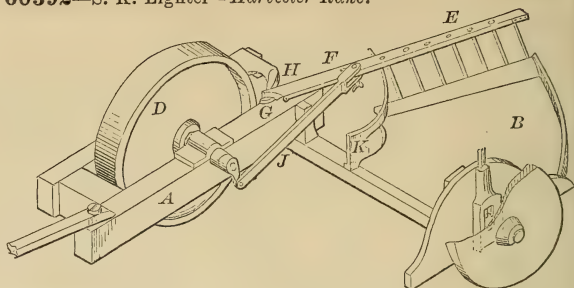




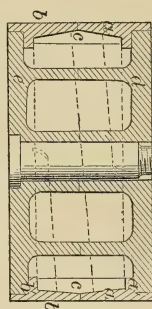
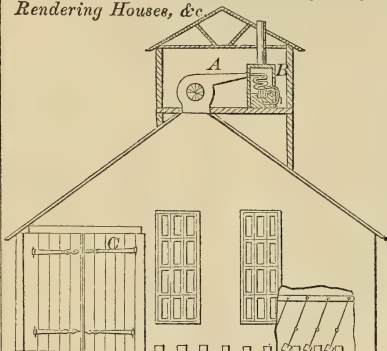
**60389**—J. Kopp—*Baby Chair and Table.*



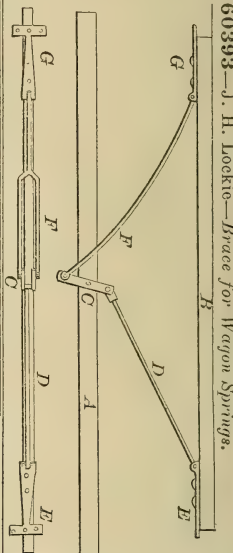
**60392**—S. K. Lighter—*Harvester Rake.*



**60394**—R. B. Lockwood—*Disinfecting Rendering Houses, &c.*

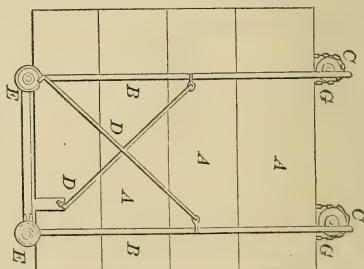


**60395**—D. Lowe—*Piston Packing.*

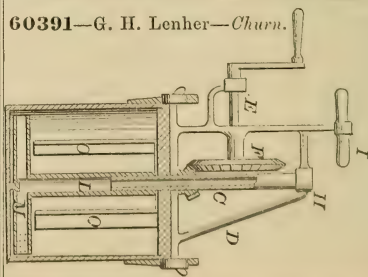


**60393**—J. H. Lockie—*Brace for Wagon Springs.*

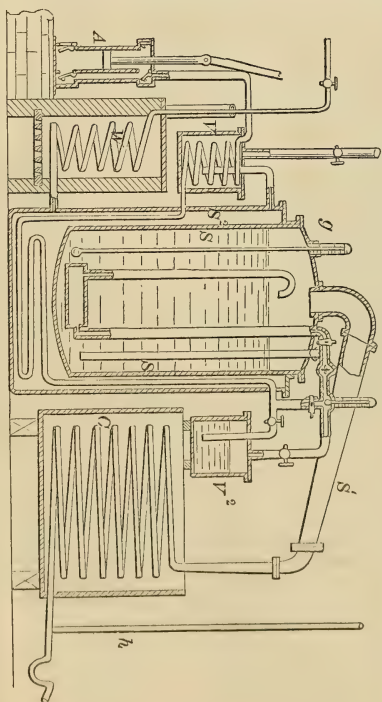
**60390**—J. Lee—*Fire Shield.*



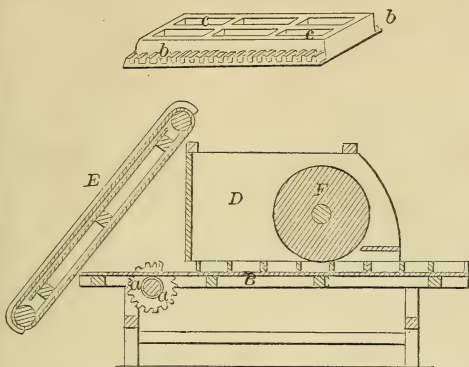
**60391**—G. H. Lenher—*Churn.*



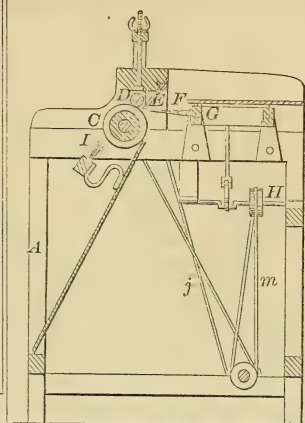
**60396**—Lugo & Schrader—*Distilling Petroleum Oils.*



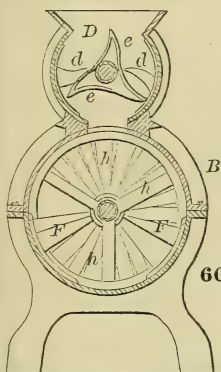
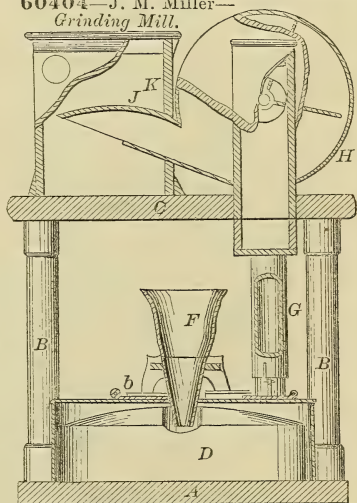
60397—J. B. Lyons—*Peat Machine.*



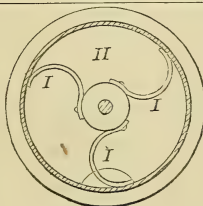
60402—F. M. McMeekin—*Cotton Gin.*



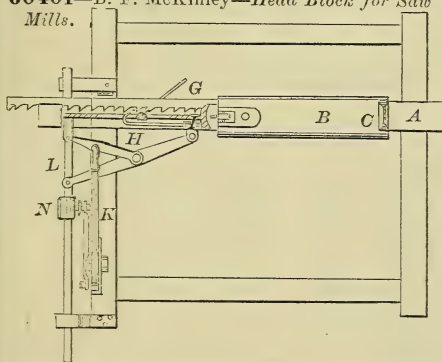
60404—J. M. Miller—*Grinding Mill.*



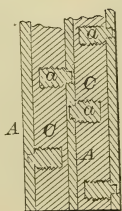
60398—J. B. Lyons—*For Grinding Peat.*



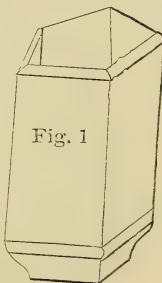
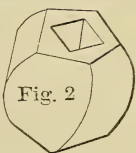
60401—B. F. McKinley—*Head Block for Saw Mills.*



60405—L. H. Miller—*Saw.*



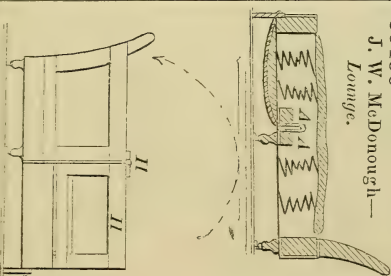
60403—Mears & Yale—*Knickle Joint.*



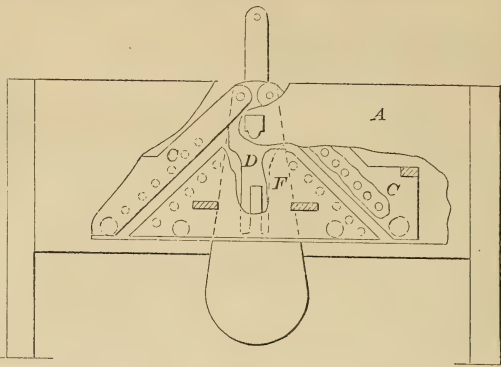
60406—C. A. Moore—*Tag.*



60400—J. W. McDonough—*Lounge.*

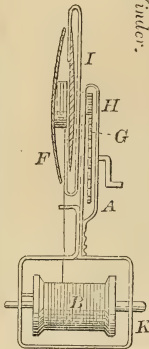


60410—L. L. Newman—Washing Machine.

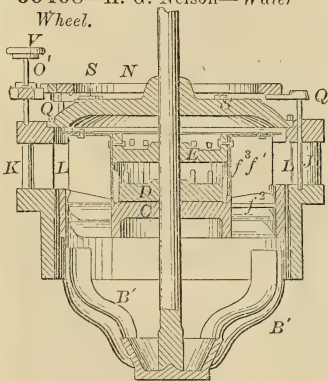


60411—R. J. Nunn—Pin for Wearing Apparel.

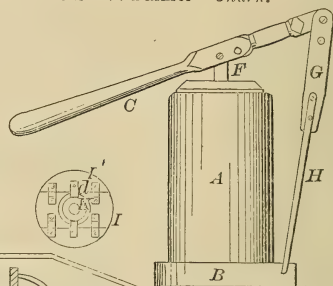
60407—J. D. Moore—Tutting Shuttle Winder.



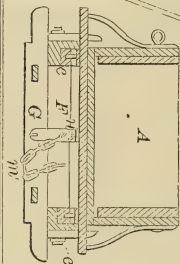
60408—H. G. Nelson—Water Wheel.



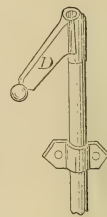
60414—V. Palmer—Churn.



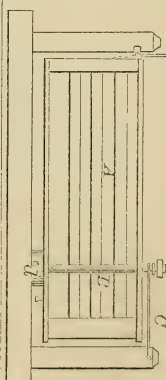
60413—J. L. Ordner—Dumping Wagon.



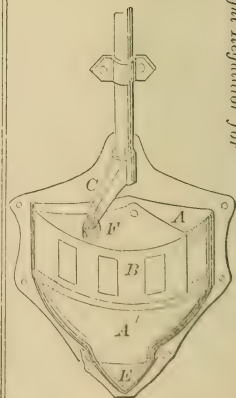
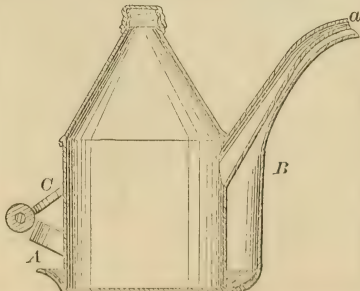
60412—S. Oppenheimer—Drought Regulator for Stoves.



60415—E. H. Peck—Furn Gate.

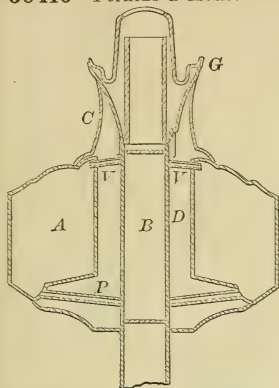


60409—W. C. Newkirk—Oil Can.

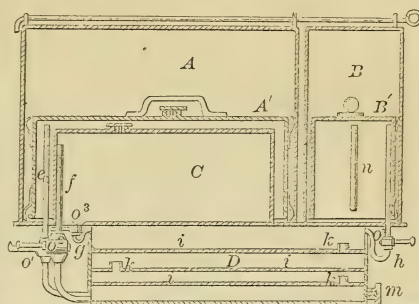




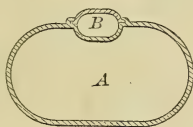
60416—Perkins & House—Lamp



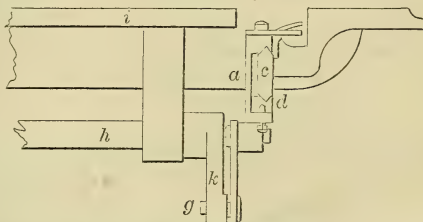
60417—B. Pickering—For Charging Air with Gasoline.



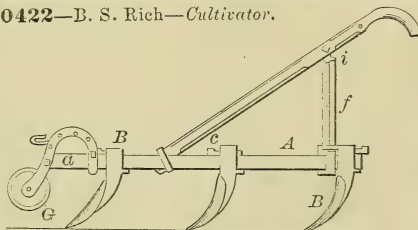
60419—M. Pratt—Stove Boiler.



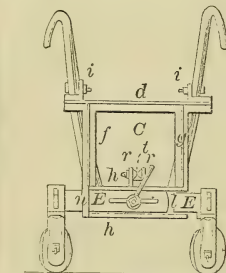
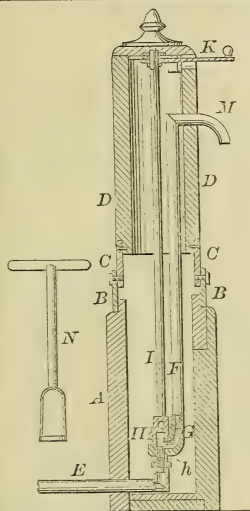
60418—F. A. Pratt—Sewing Machine.



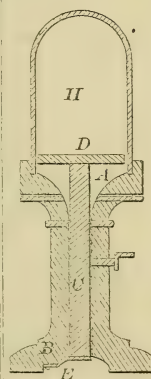
60422—B. S. Rich—Cultivator.



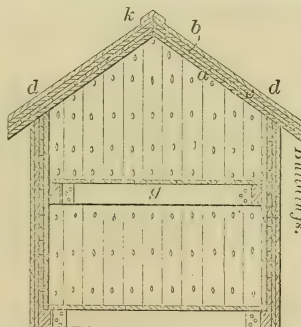
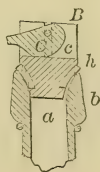
60423—J. P. Riley—Hydrant.



60421—E. W. Quiney—Dice Box.

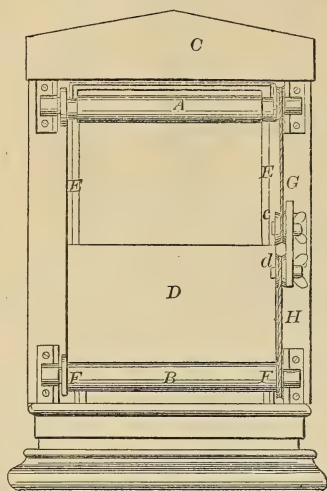


60424—D. T. Robinson—  
Bottle Stopper.

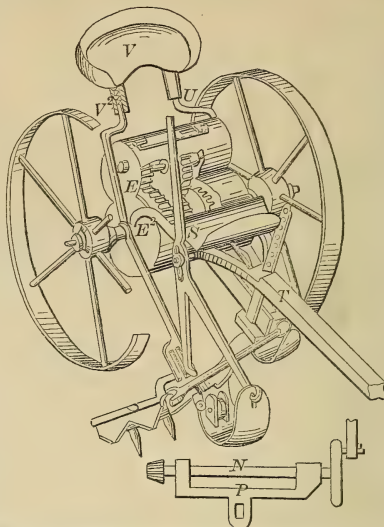


60425—F. O. Rogers—Constructing  
Buildings.

60426—L. Ross—Curtain Fixture.



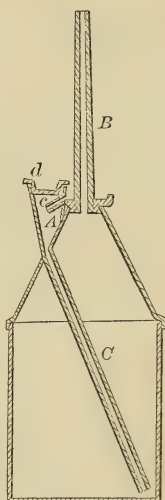
60427—N. Rowe—Harvester.



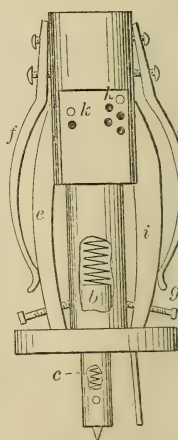
60428—C. D. Rutherford—Corset.



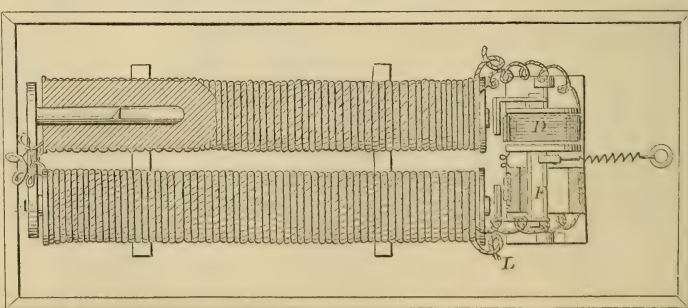
60429—S. Sargent—Oil Can.



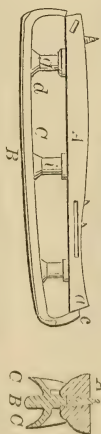
60430—J. G. Schmidt—For Cutting Buys for Barrels.



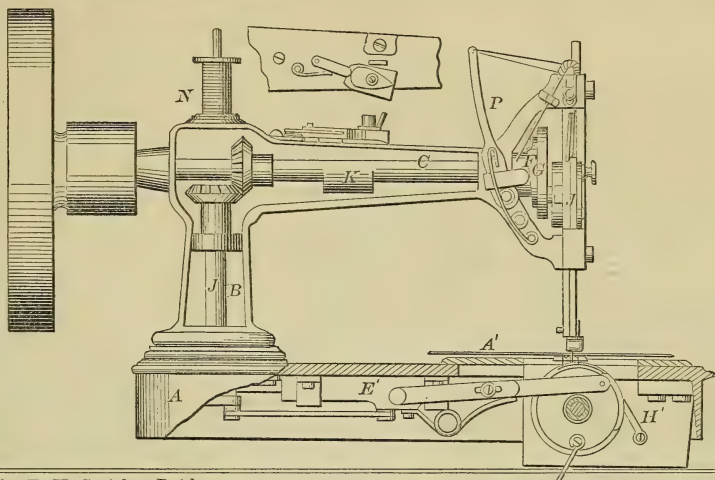
60432—T. P. Shaffner—Magnet for Telegraph.



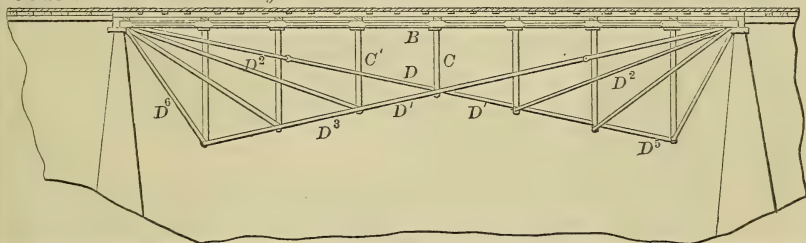
60431—Scott &amp; Smith—Skate.



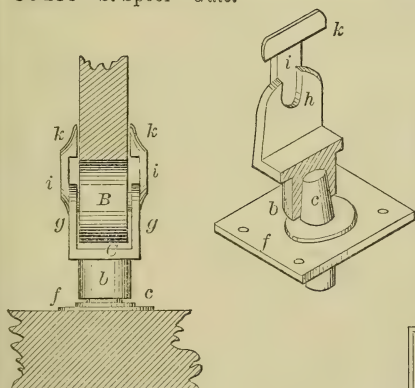
60433—I. M. Singer—Sewing Machine.



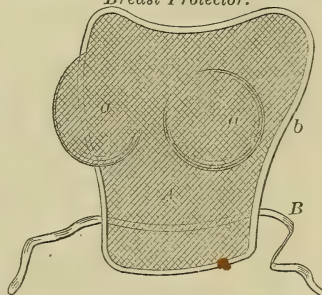
60434—F. H. Smith—Bridge.



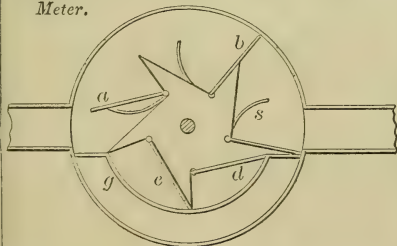
60435—S. Spoor—Gate.



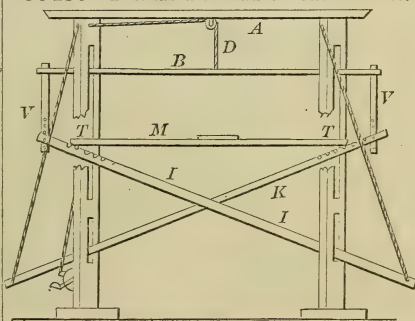
60436—Stadermann & Sauerbier—Breast Protector.



60437—H. H. Stuart—Gas and Liquid Meter.



60438—Thomas & Rhoades—Cheese Press.

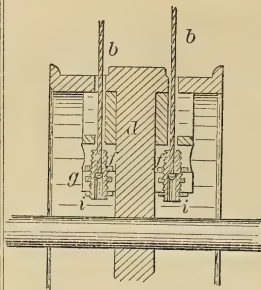




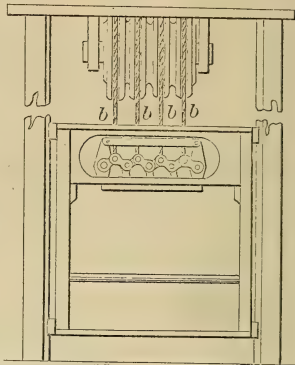


60439—A. Todd, Jr.—Stamp  
for Marking Sheep.

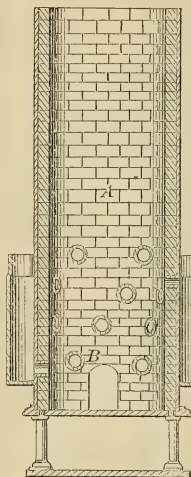
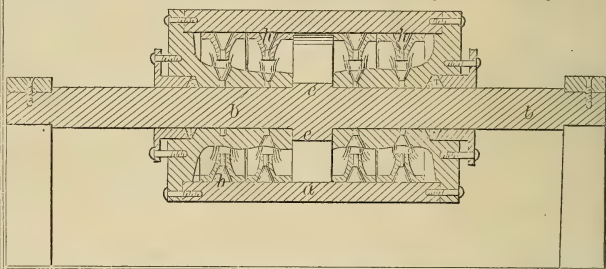
60441—O. Tufts—Elevator.



60442—O. Tufts—Elevator.

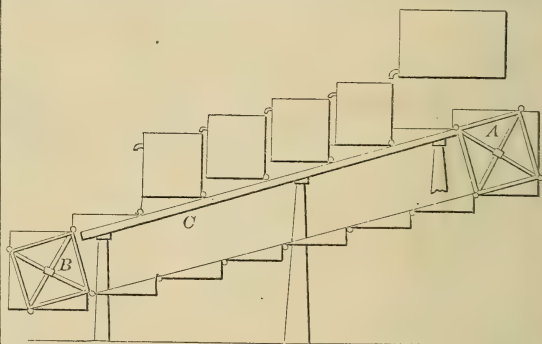


60444—O. Tufts—For Oiling Bodies Rotating around Shafts.

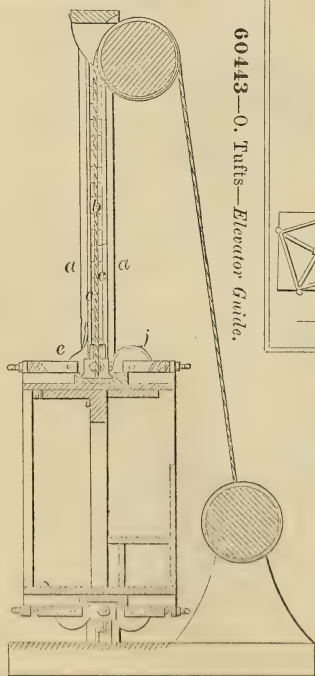


60440—C. Truesdale—Cupola Furnace.

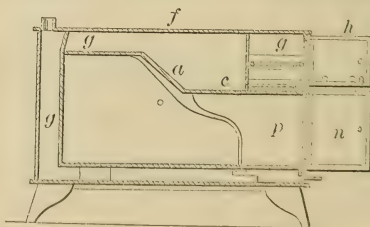
60445—P. H. V. Weyde—Percolator and Filtering Machine.



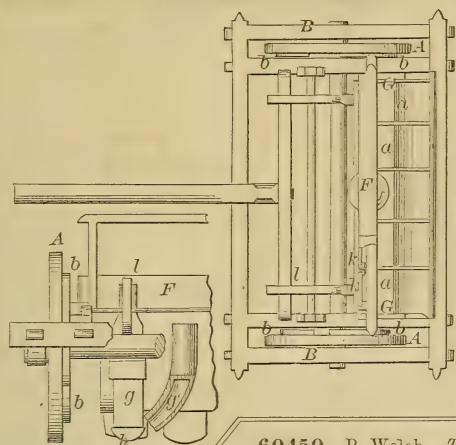
60443—O. Tufts—Elevator Guide.



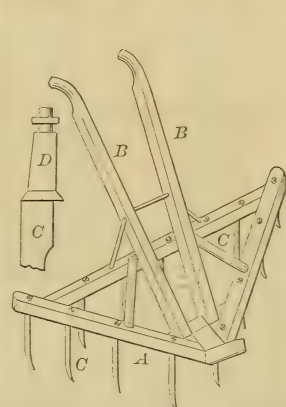
60446—G. W. Walker—Cooking Stove.



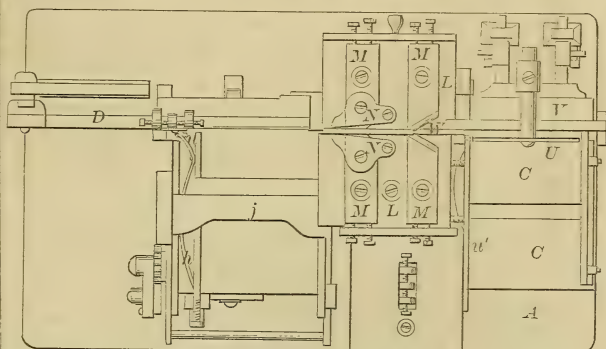
60447—J. C. Walkinshaw—*Corn Planter.*



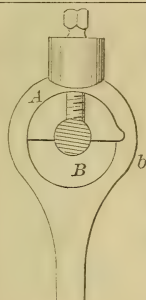
60449—W. T. Watson—*Cultivator.*



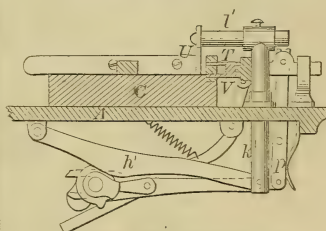
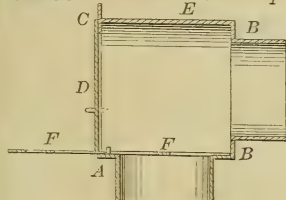
60450—P. Welch—*Type Dressing Machine.*



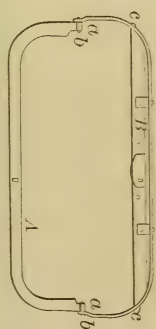
60451—L. P. Wilcox—*Lathe Dog.*



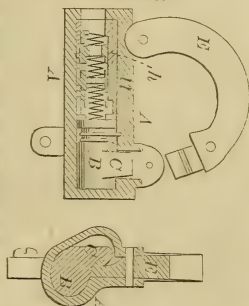
60453—J. Wilson—*Store Pipe.*



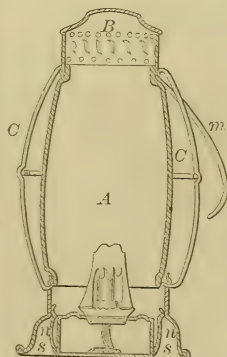
60448—C. & Z. Wash—*Tracing  
Bag Frame.*



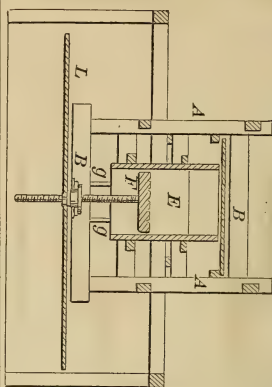
60454—J. E. Wootten—*Padlock.*



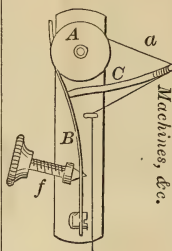
60452—S. R. Whitel—*Lantern.*



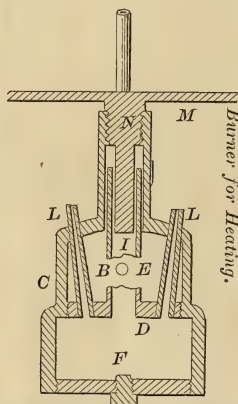
60457—J. S. Allums—Cotton or Hay Press.



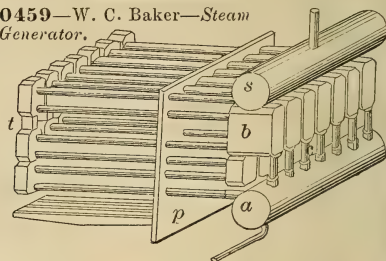
60456—T. Zinck—Tension for Sewing Machines, &amp;c.



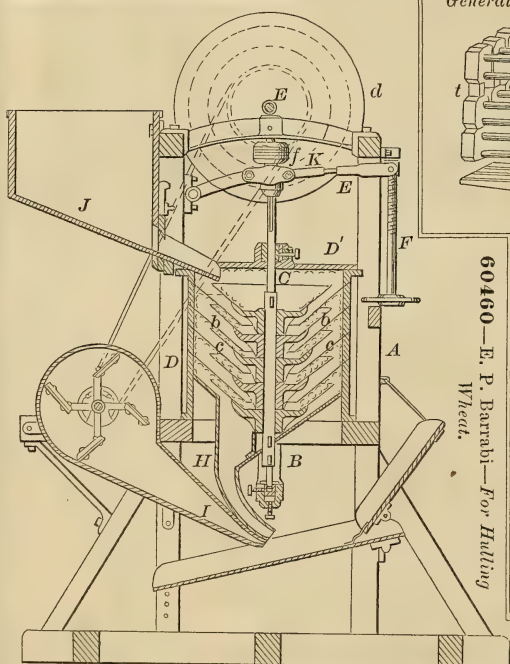
60455—Yonmans &amp; Reed—Hydro-Carbon Burner for Heating.



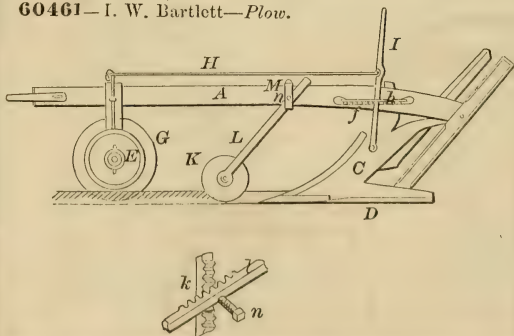
60459—W. C. Baker—Steam Generator.



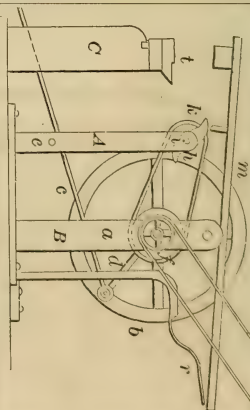
60460—E. P. Barrabi—For Hulling Wheat.



60461—I. W. Bartlett—Plow.

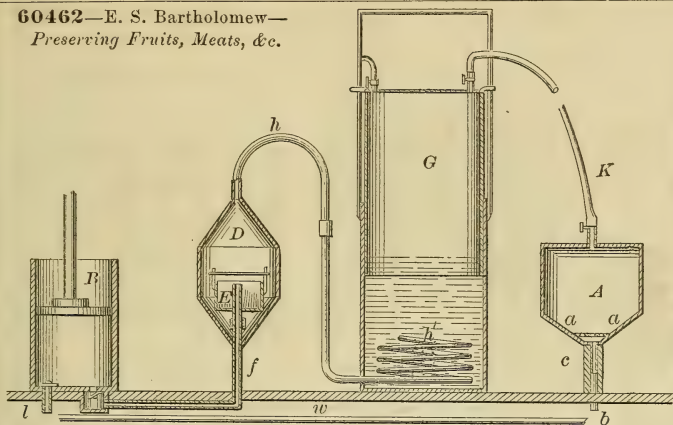


60458—L. &amp; I. Andrews—Blacksmith's Forging Apparatus.

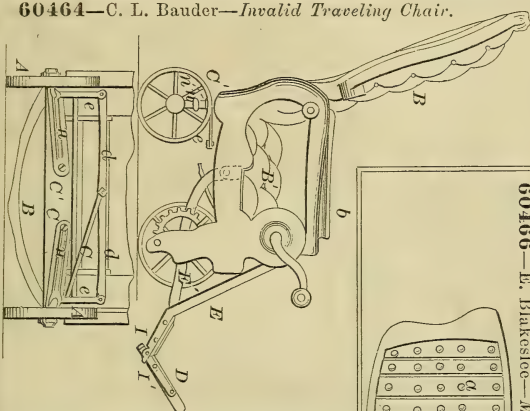




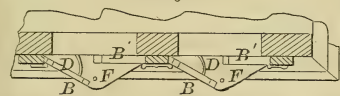
**60462**—E. S. Bartholomew—  
*Preserving Fruits, Meats, &c.*



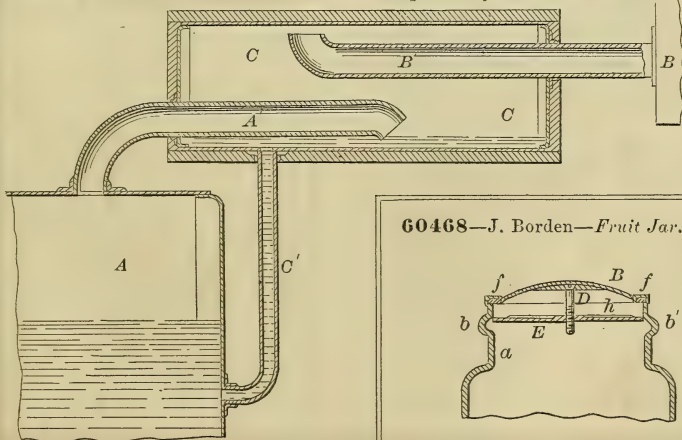
**60464**—C. L. Bauder—*Invalid Traveling Chair.*



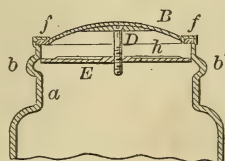
**60465**—G. & G. T. Benjamin—  
*Railway Car.*



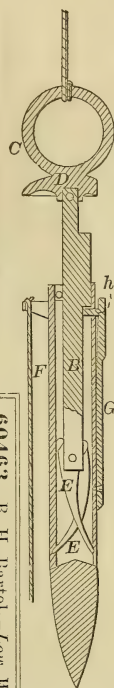
**60470**—R. C. Bristol—*Water and Steam Separator for Steam Generators.*



**60468**—J. Borden—*Fruit Jar.*



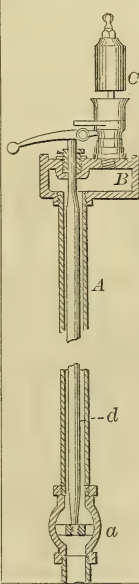
**60467**—C. C. Blodgett—*Horse Hay Fork.*



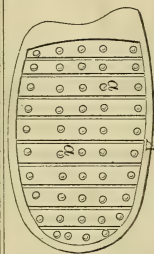
**60469**—J. H. Bosworth—*Carpet Stretcher.*



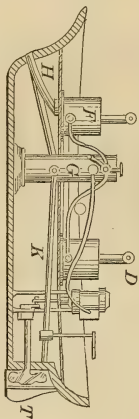
**60463**—E. H. Bartol—*Low Water Detector.*



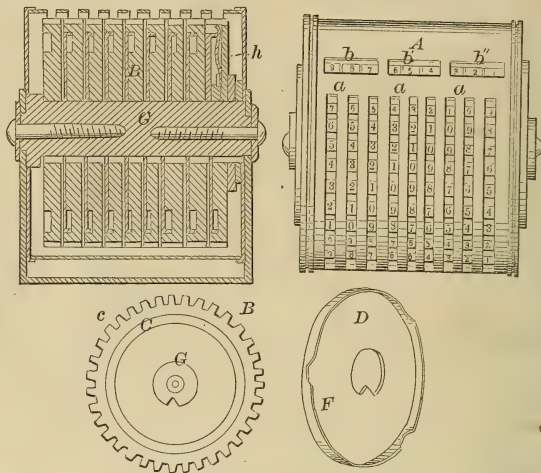
**60466**—E. Blakeslee—*Metal Pated Sole.*



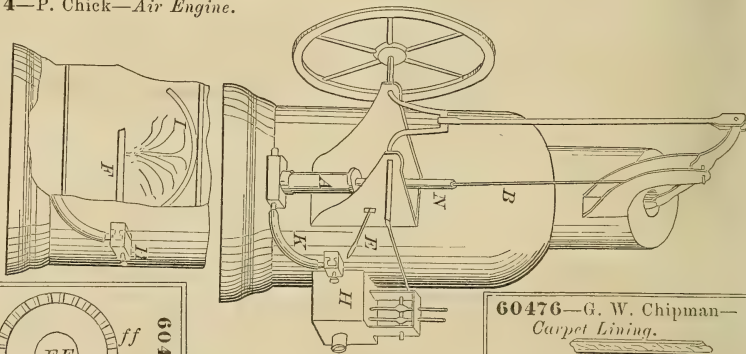
60471—C. W. Cahoon—For Propelling Vessels.



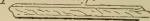
60475—J. H. Clidester—Computing Machine.



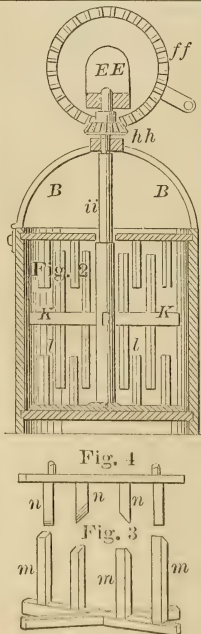
60474—P. Chick—Air Engine.



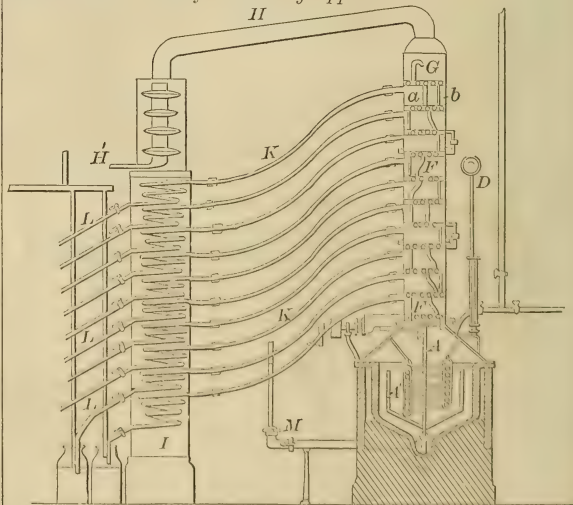
60476—G. W. Chipman—Carpet Lining.



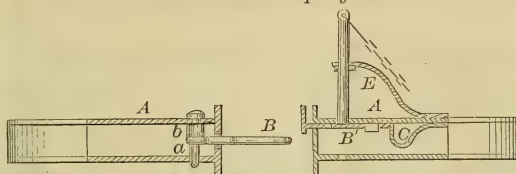
60473—A. Carbow—Churn.



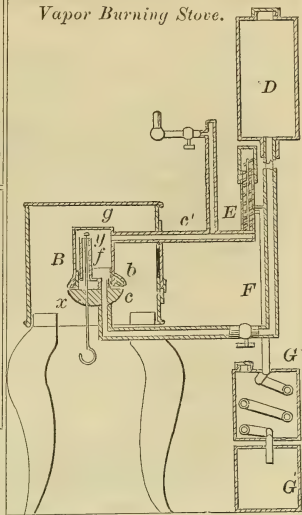
60477—J. A. Coffey—Distilling Apparatus.



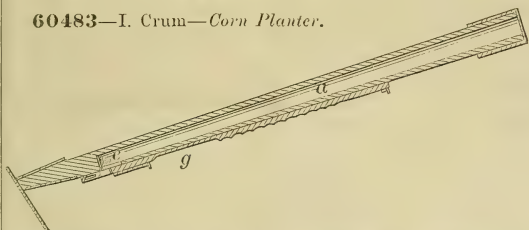
60479—V. & E. Cole—*Car Coupling.*



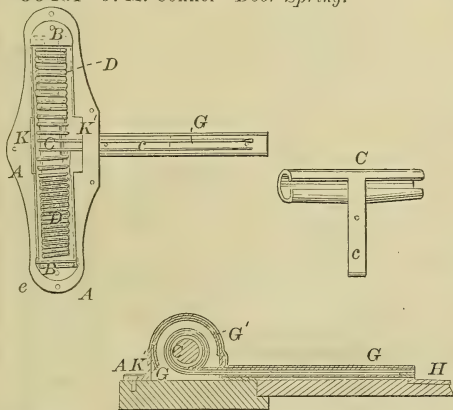
60480—Collins & Grover—*Vapor Burning Stove.*



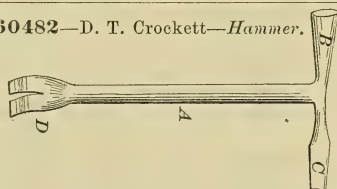
60483—I. Crum—*Corn Planter.*



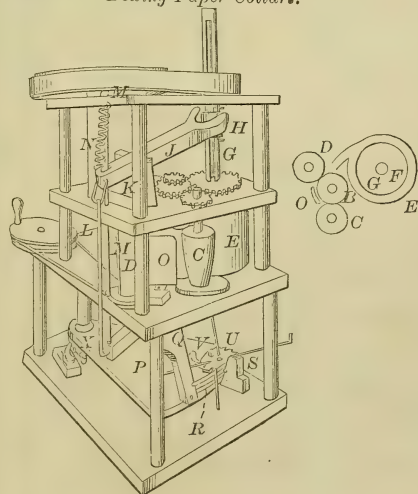
60481—J. M. Connel—*Door Spring.*



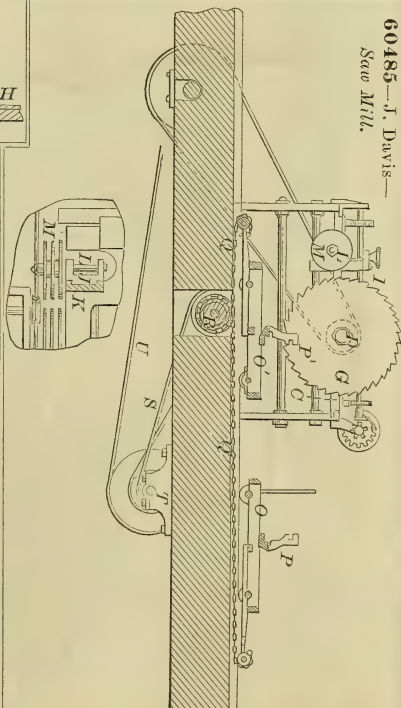
60482—D. T. Crockett—*Hammer.*



60484—Currier & Wells—*For Finishing and Boxed Paper Collars.*

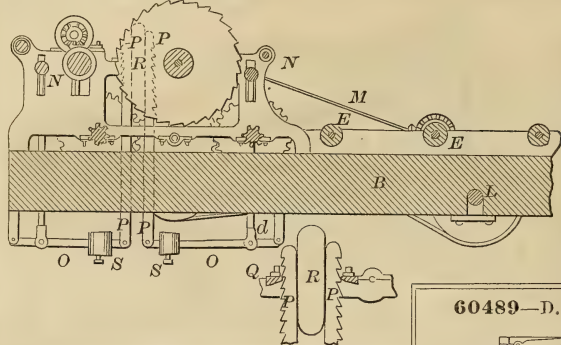


60485—J. Davis—*Saw Mill.*

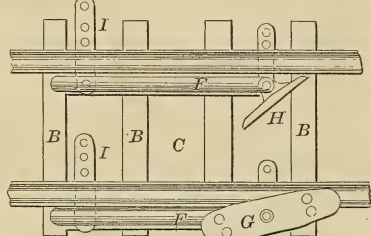




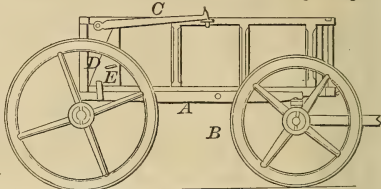
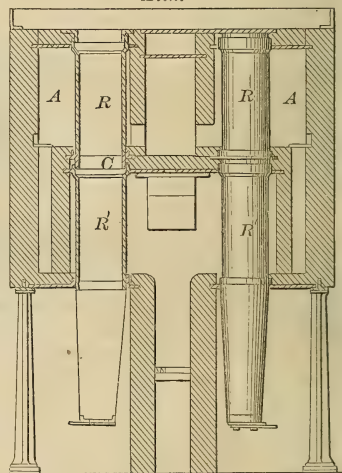
60486—J. Davis—Saw Mill.

60488—Denison & Furlong—  
Paper Wearing Apparatus.

60487—S. T. Denise—Railroad Switch.



60489—D. Dennett—Dumping Wagon.

60492—E. P. Eastwick—Bone Black  
Kiln.

60491—J. J. Detwiler—Igniting Illuminating Signals.



Fig. 12

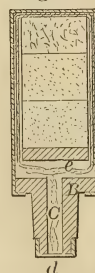
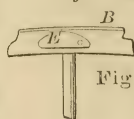
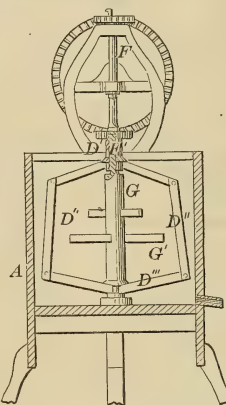
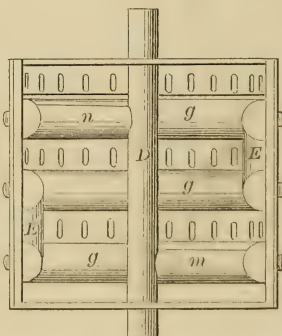
60495—B. M. Esterle—  
Wagon Wheel.

Fig. 3

60493—S. S. Elder—Churn, Beer Cooler, &amp;c.



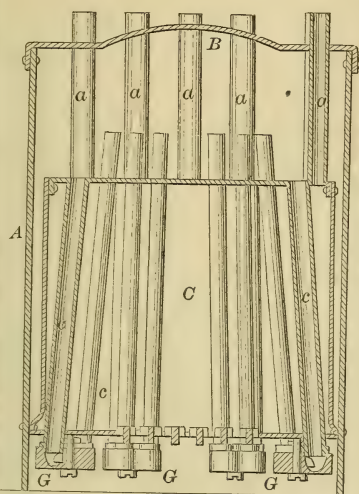
60490—E. Detwiler—Radiator for Store Pipes.



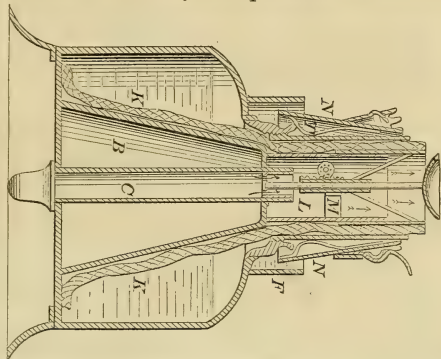
60494—J. Emerson—Comb.



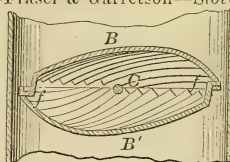
60496—H. Feyh—*Steam Generator.*



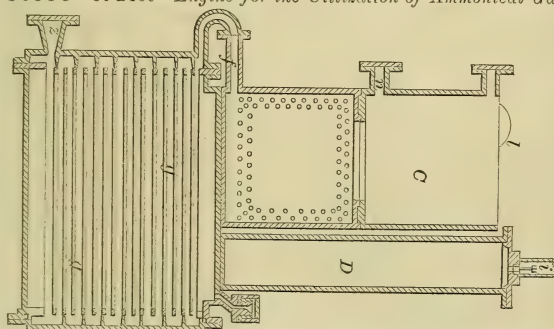
60499—J. A. Frey—*Lamp Burner.*



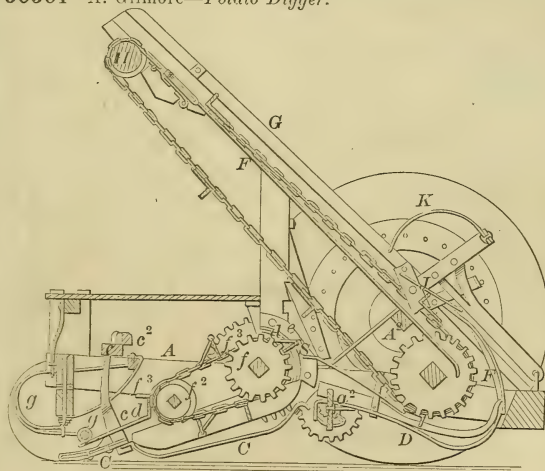
60498—Fraser & Garretson—*Store Pipe Damper.*



60500—J. Frot—*Engine for the Utilization of Ammonical Gas.*

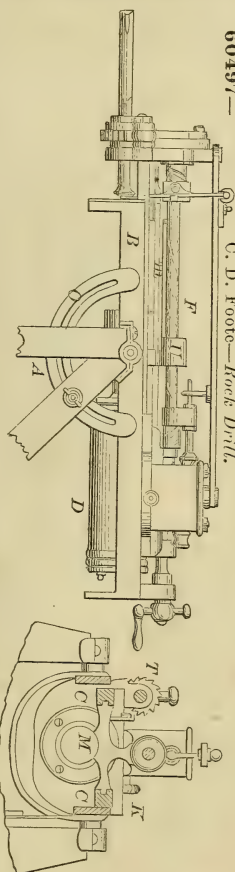


60501—A. Gilmore—*Potato Digger.*

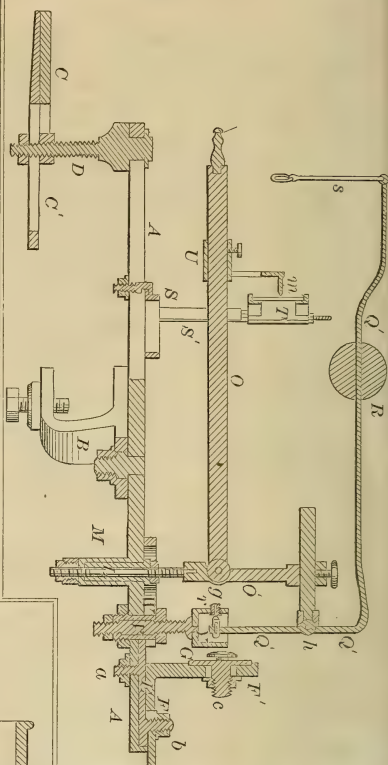


60497—

C. D. Foote—*Rock Drill.*



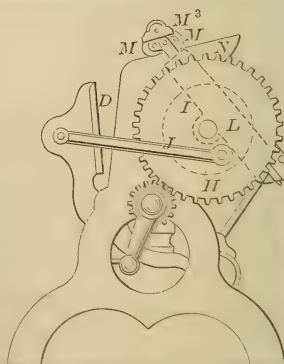
60506—Guerrant &amp; Field—Engraving Machine.



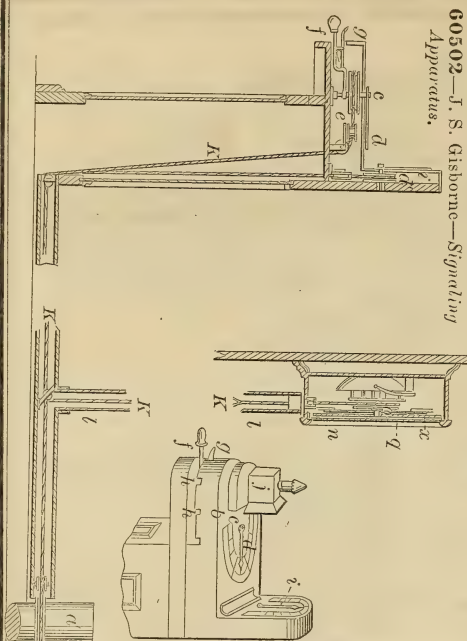
60503—S. Gissinger—Clamp for Gluing the Tips on Billiard Cues.



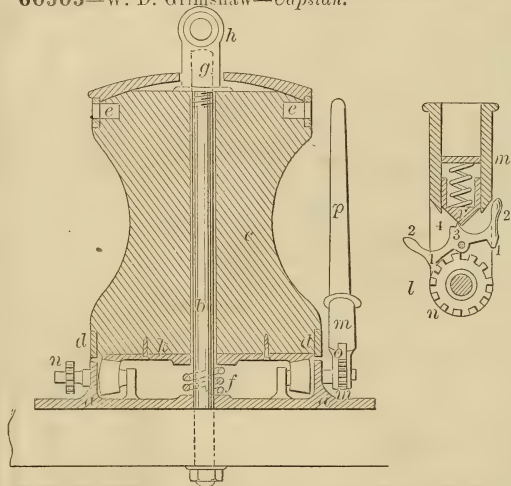
60504—G. P. Gordon—Printing Press.



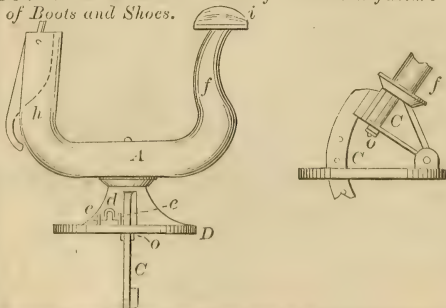
60502—J. S. Gisborne—Signaling Apparatus.



60505—W. D. Grimshaw—Capstan.

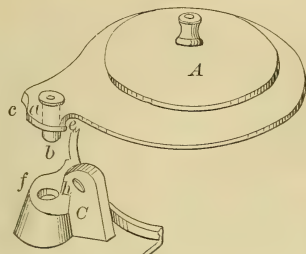


60507—C. M. Gustin—Jack for the Manufacture of Boots and Shoes.

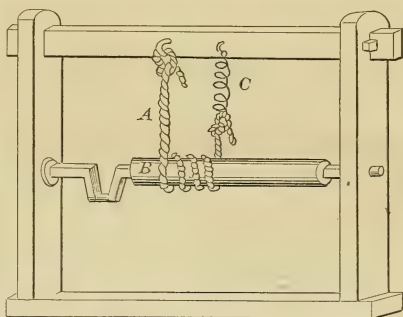




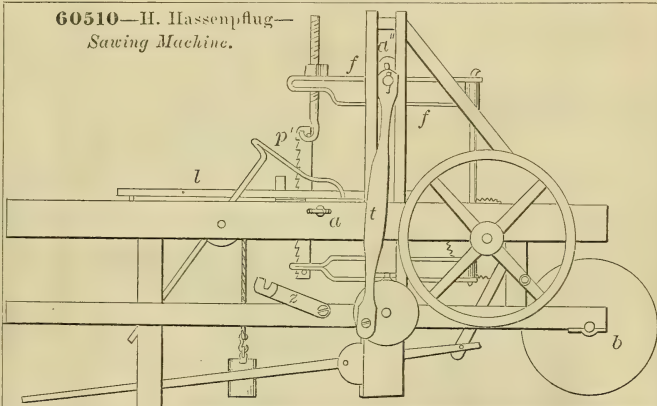
60508—W. Hailes—*Attaching Covers to Kettles, &c.*



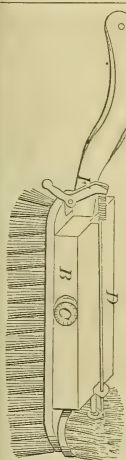
60509—J. Hanley—*Spiral Friction Clutch.*



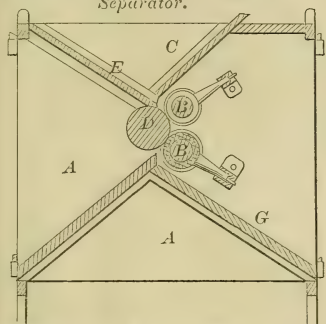
**60510**—H. Massenpflug—  
*Sawing Machine.*



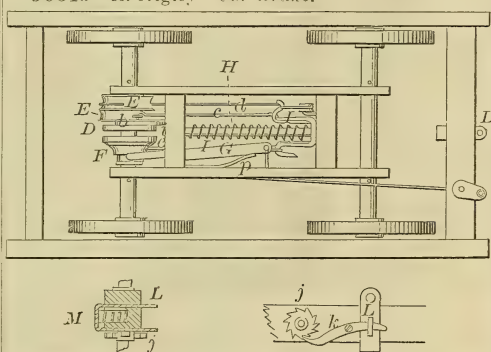
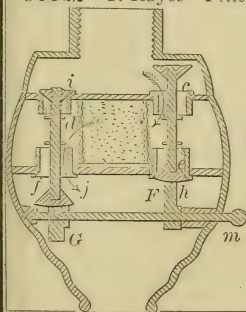
60511—F. Hatch—*Blacking Brush and Box*



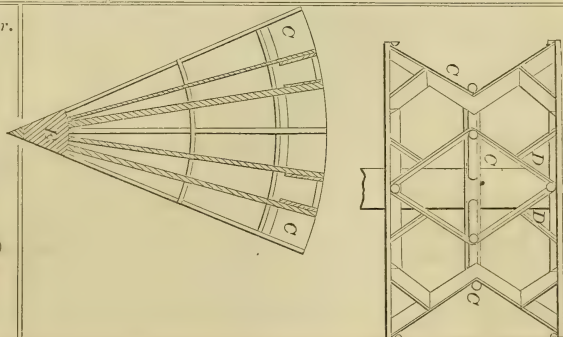
**60513**—Heflebower & Reed—  
*Separator.*



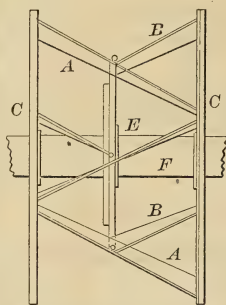
60515—A. Higley—Car Brake.

60512—T. Hayes—*Filter.*

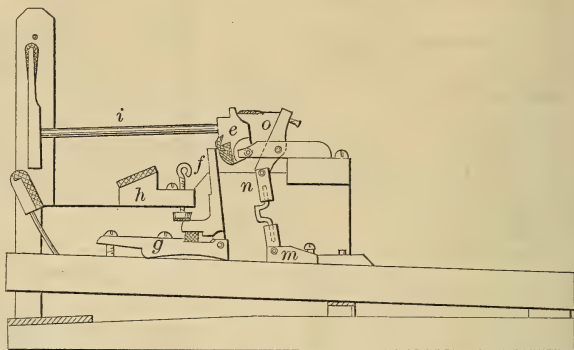
GO517—W. I. Holland—*Paddle Wheel.*



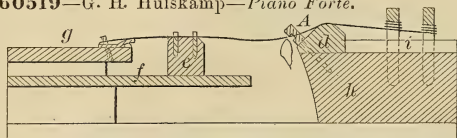
**60518**—W. H. Holland—*Paddle Wheel.*



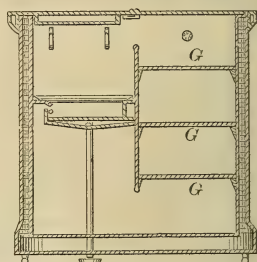
**60520**—J. Hurd—*Piano Forte.*



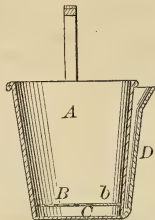
**60519**—G. H. Hulskamp—*Piano Forte.*



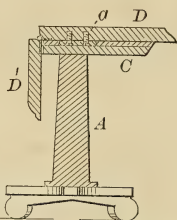
**60523**—J. C. Jewett—*Bar or Slat for Refrigerators.*



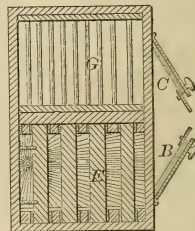
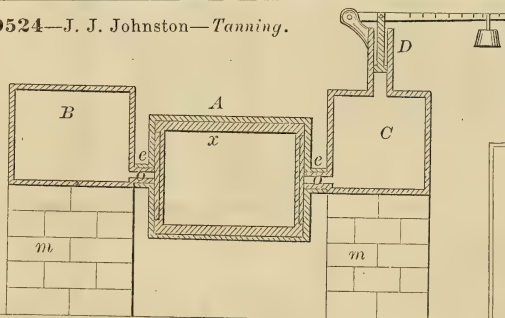
**60521**—I. A. Isaacs—*Foot Bath.*



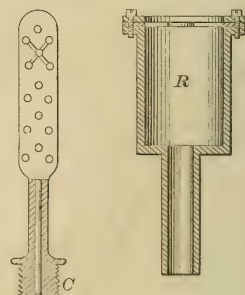
**60525**—E. Lampman—*Centre Table.*



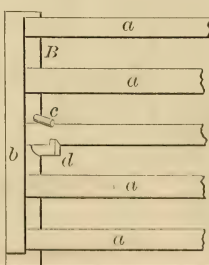
**60524**—J. J. Johnston—*Tanning.*



**60526**—S. M. Landis—*Syringe.*



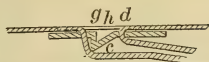
**60522**—H. Jahne—*Watch Chain Fastening.*



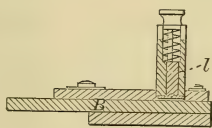
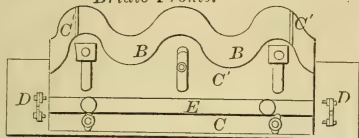
**60527**—N. Lattow—*Furn Gate.*



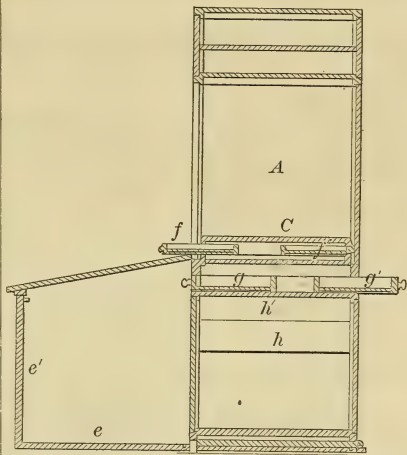
60528—R. G. Latting—Cotton Bale Tie.



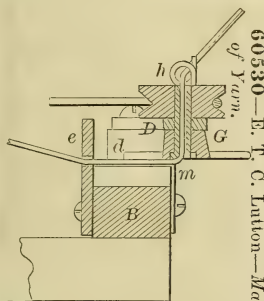
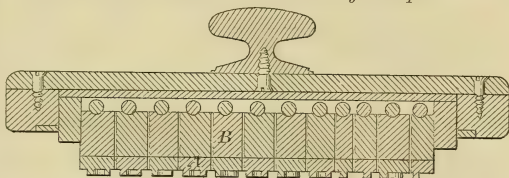
60531—I. Manning—For Forming Bridle Fronts.



60529—W. W. Levering—Cabinet.



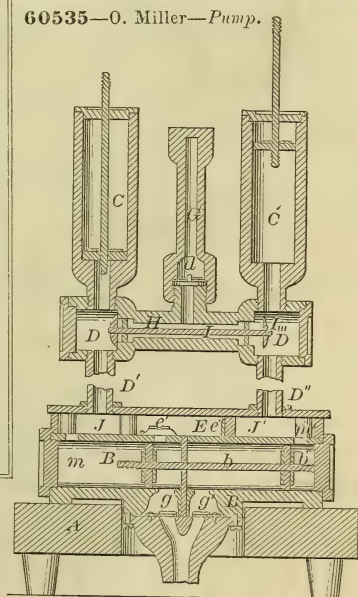
60522—W. B. Mason—For Making Stamps.



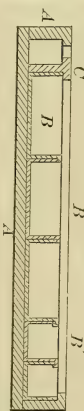
60530—E. T. C. Linton—Manufacture of Yarn.



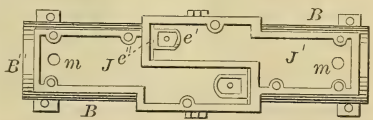
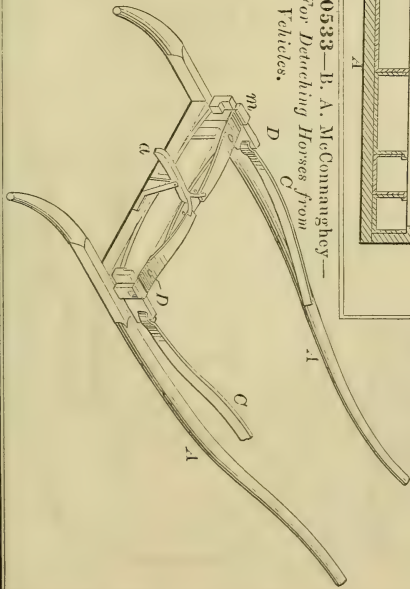
60535—O. Miller—Pump.



60534—L. H. Miller—Type Case.

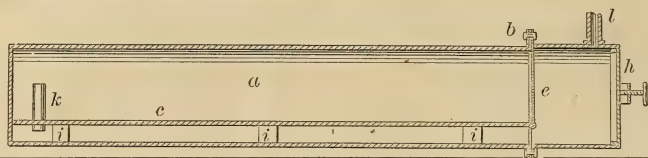


60533—B. A. McComaughy—For Detaching Horses from Vehicles.

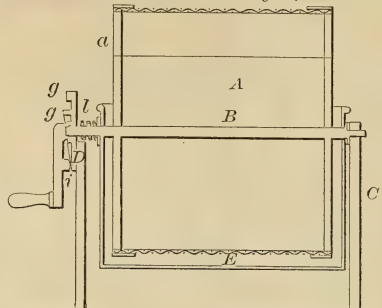




60537—A. Millochau—Illuminating Gas Retort.



60539—M. F. Morse—Rotary Sifter.



60544—Packer &amp; Daley—Car Coupling.

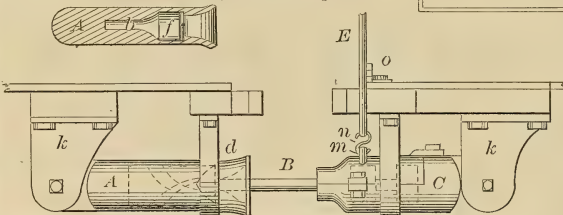
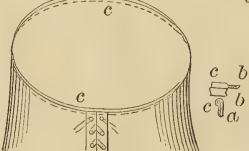
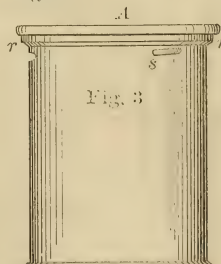
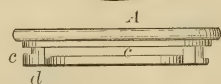
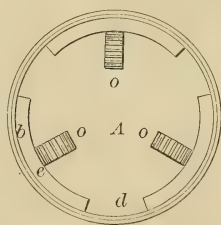
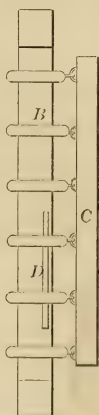
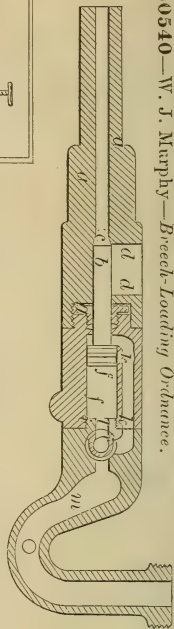
60543—  
M. & R. B. Packard—  
Shoe Binding.60547—T. Parker—  
Fruit Can.

Fig. 3

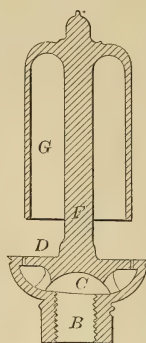
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60540—W. J. Murphy—Breech-Loading Ordnance.

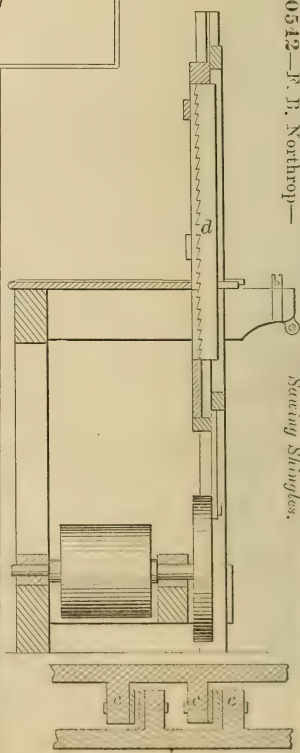


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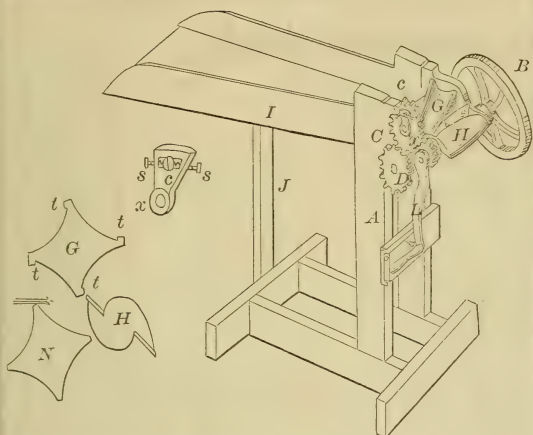


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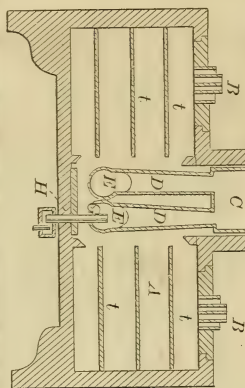
Sawing Shingles.



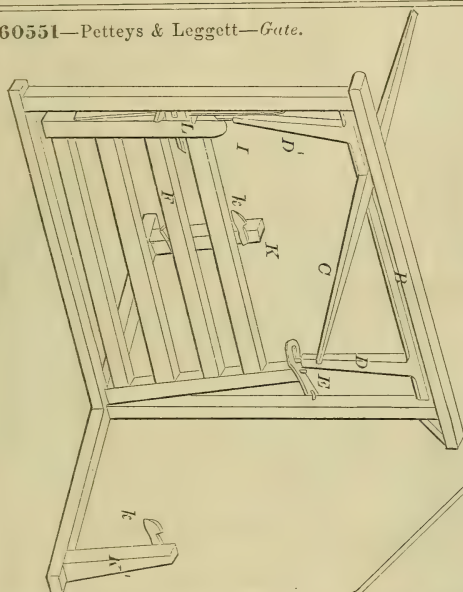
60550—J. G. Perry—Straw Cutter.



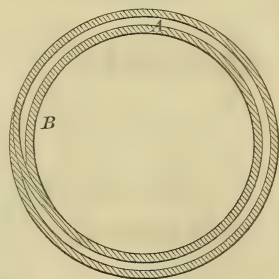
60552—C. F. Pike—For Cooling and Preserving Meats, &c.



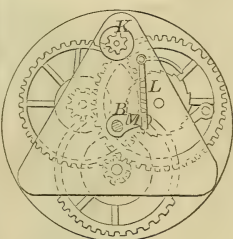
60551—Petteys & Leggett—Gate.



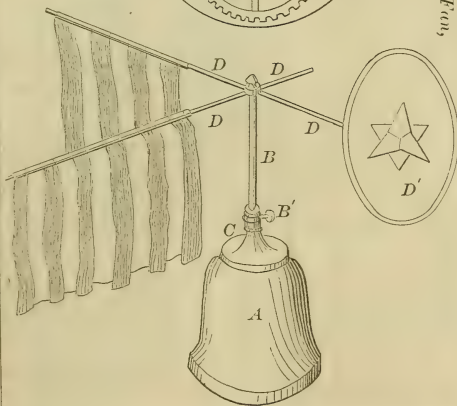
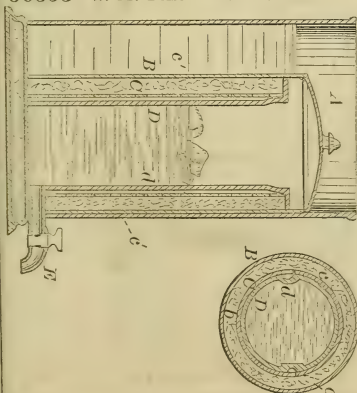
60555—J. & J. A. Punderford—Leather Hose.



60554—B. Poulson—Fan, Brush and Rack.



60553—S. M. Pike—Filter Cooler.



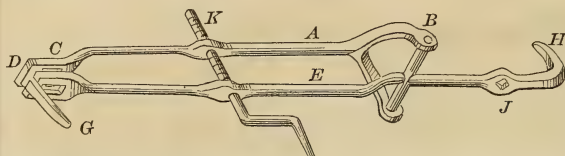
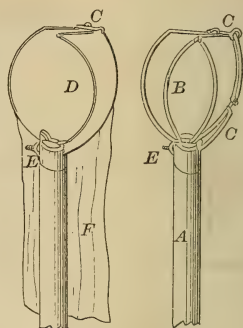
**60556**—J. Richards—*Poker, Tongs, Wrench, &c.***60561**—Saiger & Davis—*Fruit Picker.***60560**—C. & J. Ross—*Steam Generator Flue Brush.*

Fig. 1

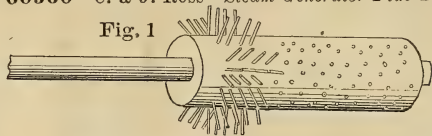


Fig. 3

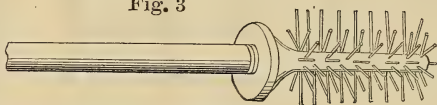


Fig. 5

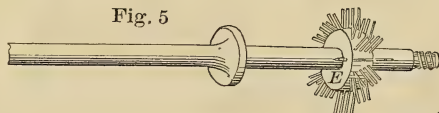
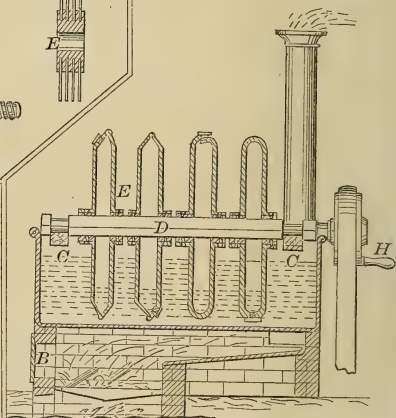
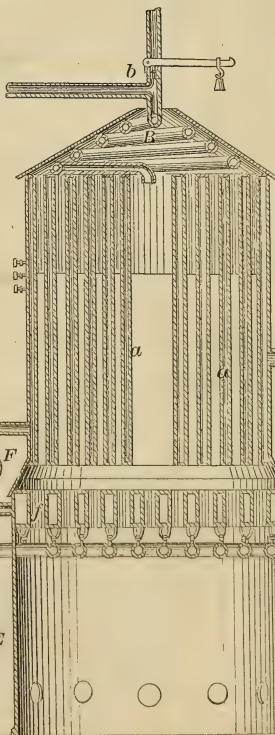
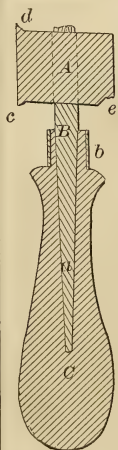
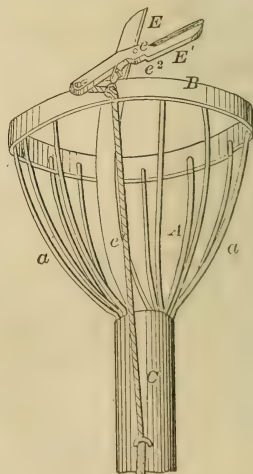
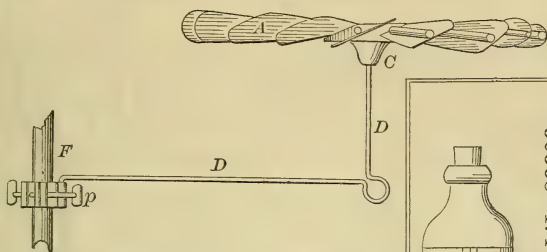


Fig. 6

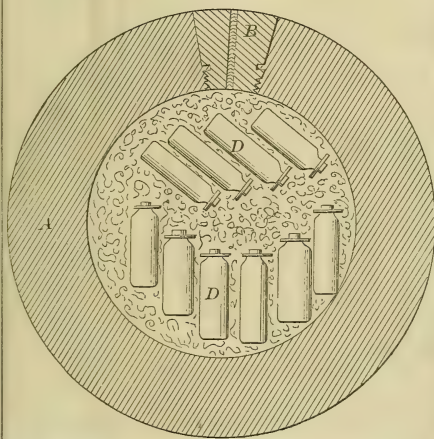
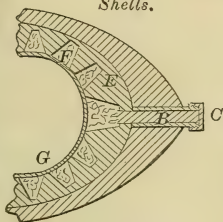
**60564**—H. F. Schroder—*Pan for Evaporating Sugar.***60562**—H. S. Saroni—*Steam Generator.***60563**—F. M. Schmitt—*Sole Edge Finishing Tool.***60565**—H. L. Scott—*Fruit Gatherer.*



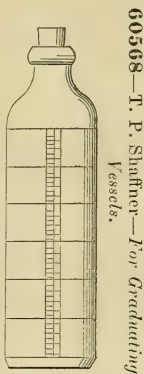
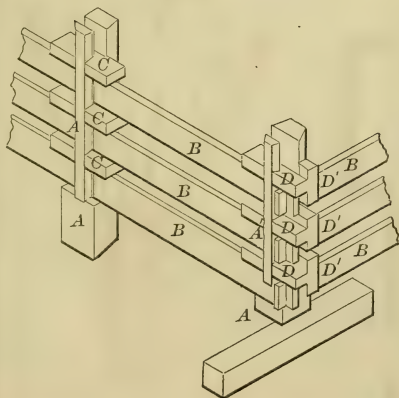
**60566**—H. Seher—*Fan for Gas Burners.*



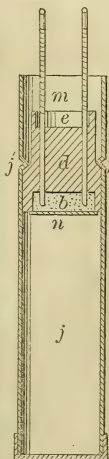
**60567**—T. P. Shaffner—*For Charging Shells.*



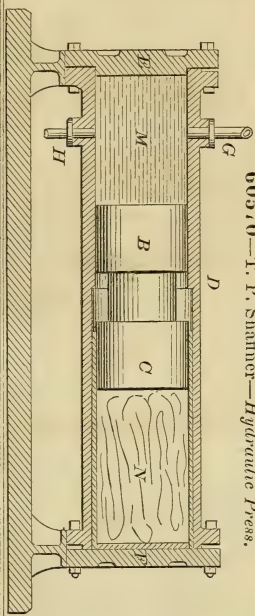
**60576**—W. B. Shelton—*Fence.*



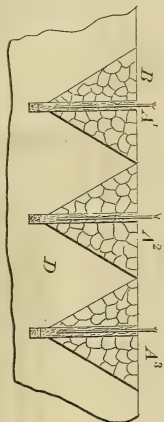
**60568**—T. P. Shaffner—*For Graduating Vessels.*



**60569**—T. P. Shaffner—*Electric Fuse.*

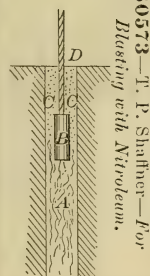
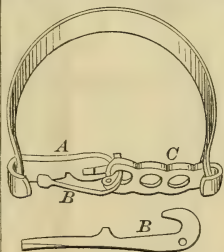


**60570**—T. P. Shaffner—*Hydraulic Press.*

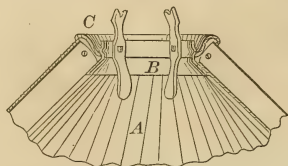
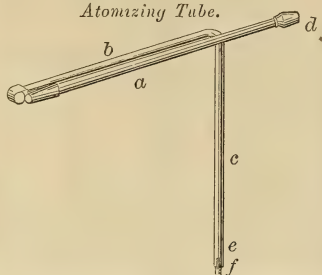
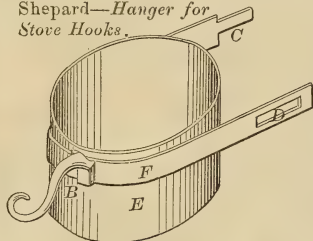
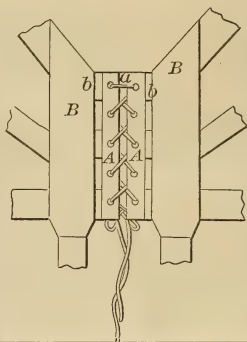
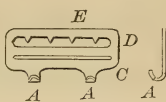
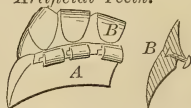
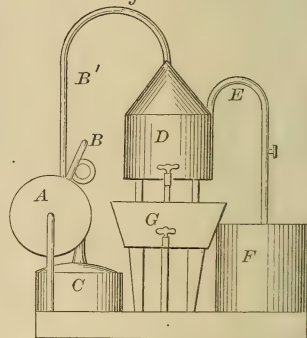
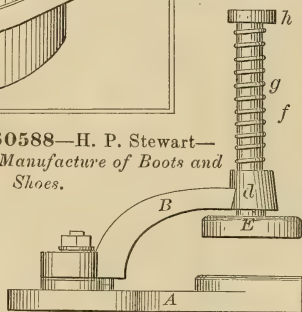
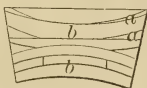
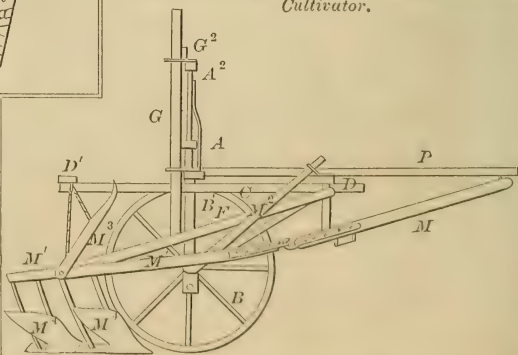
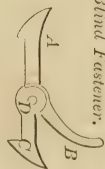
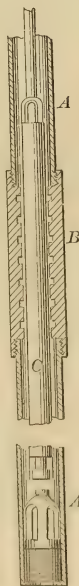
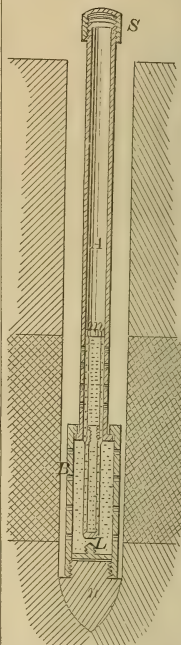


**60572**—T. P. Shaffner—*Artillery and Mining Blasting.*

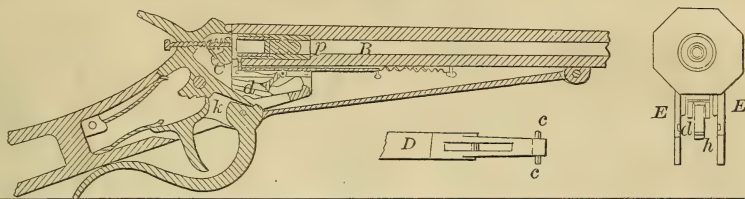
**60574**—Shalters & Catern—*Hame Fastening.*



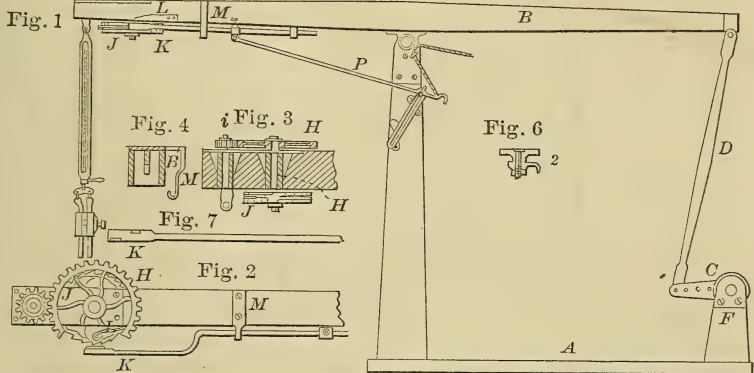
**60573**—T. P. Shaffner—*For Blasting with Nitrocellulose.*

**60577**—A. Shepard—*Lamp Shade.***60580**—A. M. Shurtleff—*Atomizing Tube.***60581**—Sigourney, Robinson & Shepard—*Hanger for Stove Hooks.***60579**—S. J. Sherman—*Belt Fastening.***60582**—A. N. Smith—*Shoulder Brace.***60583**—F. W. Smith—*Artificial Teeth.***60585**—H. L. Smith—*Refining Hydro-Carbon.***60588**—H. P. Stewart—*Manufacture of Boots and Shoes.***60587**—H. P. Stewart—*Boots and Shoes.***60589**—W. W. St. John—*Gang Plow and Cultivator.***60581**—Smith & Sparks—*Blind Fastener.***60586**—W. B. Snow—*Deep Well Pump.***60578**—Sherburne & Whipple—*Well Tubing.*

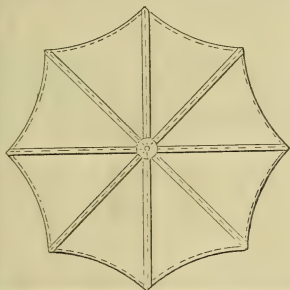
60592—T. L. Sturtevant—*Breech-Loading Fire Arm.*



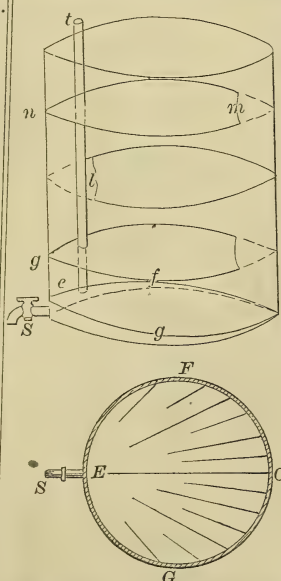
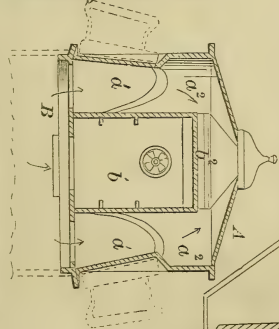
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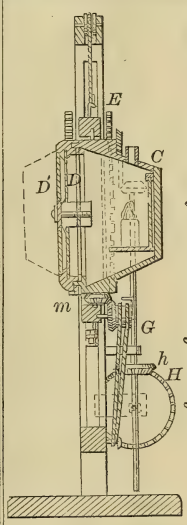
60597—J. H. Walker—*Umbrella.*



60598—W. S. Walker—*Gas Heating Parlor Stove.*

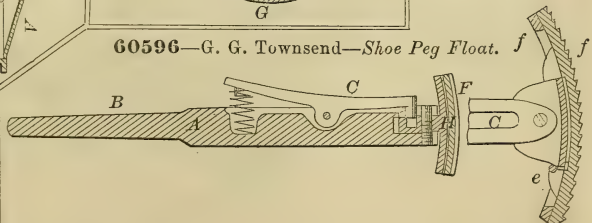


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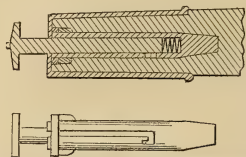
60594—E. H. Tobey—*Railroad Signal Light.*

60596—G. G. Townsend—*Shoe Peg Float.*

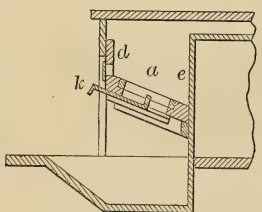
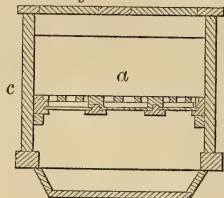




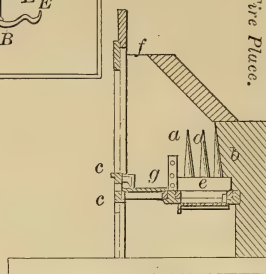
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*Trace Fastening.*



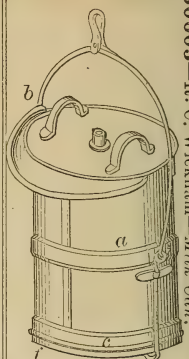
**60602**—M. D. Wellman—  
*Cooking Stove.*



**60600**—  
I. Weinberg—  
*Hooks and Eyes.*

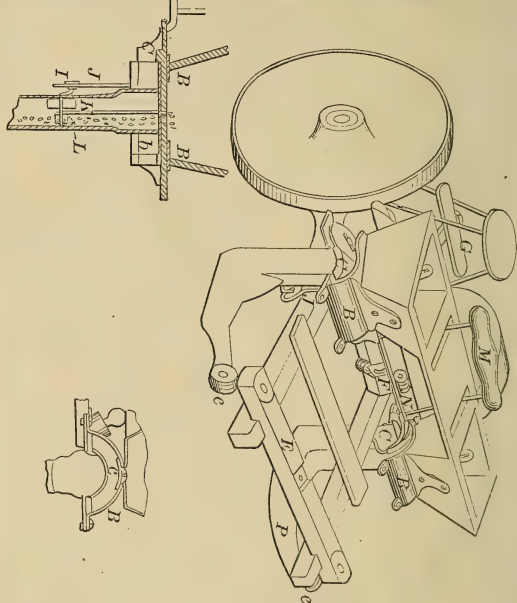


**60601**—M. D. Wellman—  
*Open Fire Place.*

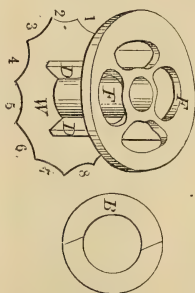


**60603**—R. C. Wickham—*Milk Can.*

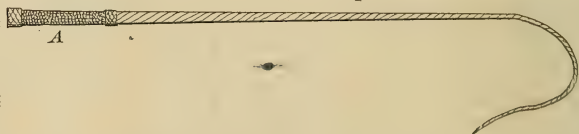
**60604**—Windeck & Runstetler—*Corn Planter.*



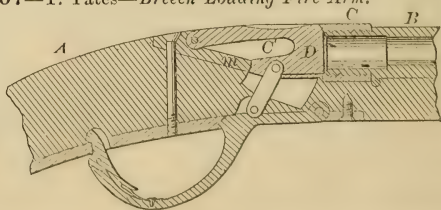
**60605**—E. B. Winship—  
*Pump.*



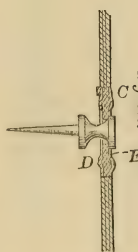
**60606**—E. F. Woodbury—*Whip.*



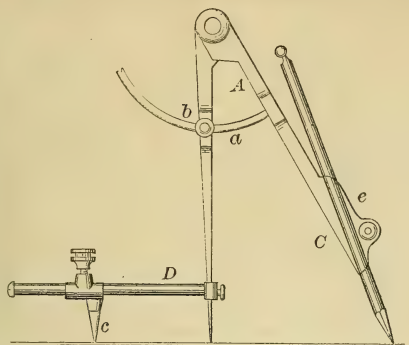
**60607**—T. Yates—*Breech-Loading Fire Arm.*



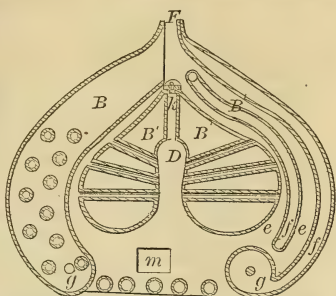
**60608**—C. W. Aker—*Carriage Curtain Eyelet.*



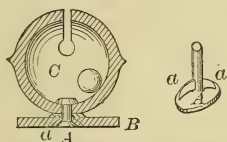
60609—H. M. Albee—*Ellipsograph.*



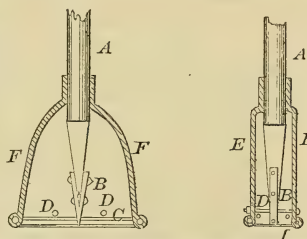
60611—R. Bailey—*Steam Generator.*



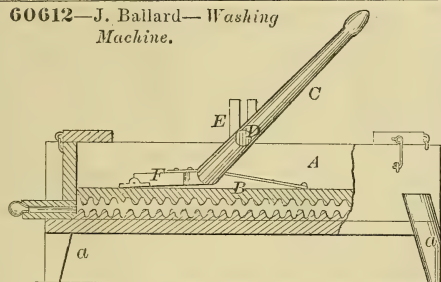
60613—A. G. Bevin—*Sleigh Bells.*



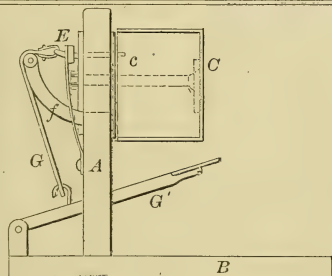
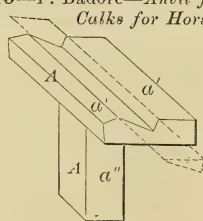
60615—W. P. Brooks—*Broom Head.*



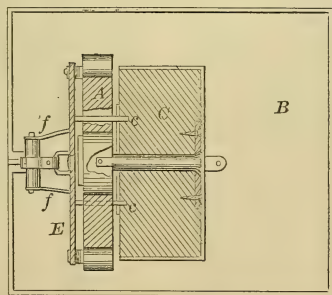
60612—J. Ballard—*Washing Machine.*



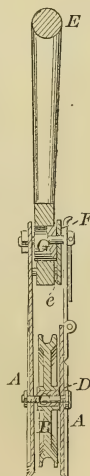
60610—P. Badore—*Anvil for Swaging Calks for Horse Shoes.*



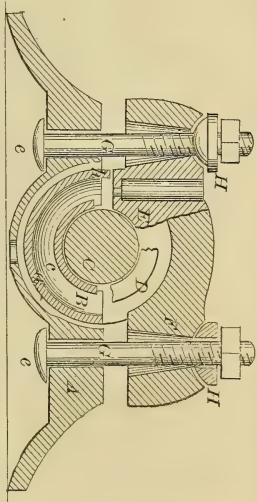
60617—W. D. Burnett—*Anvil to Rivet Trunks.*

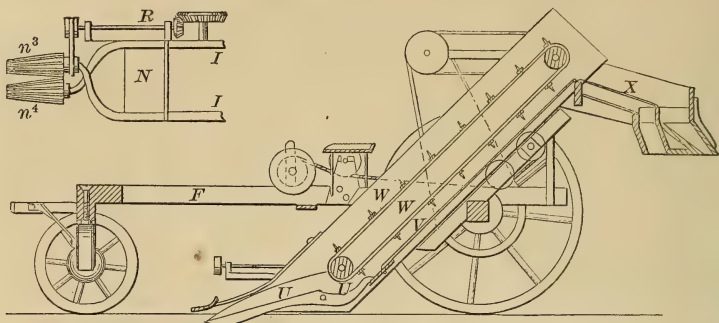
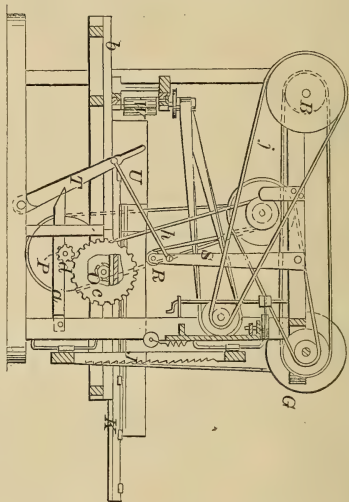
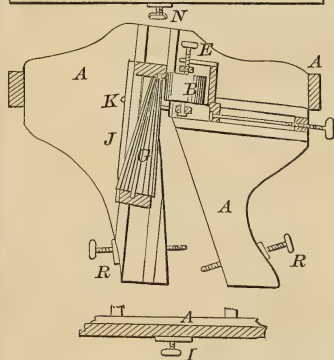
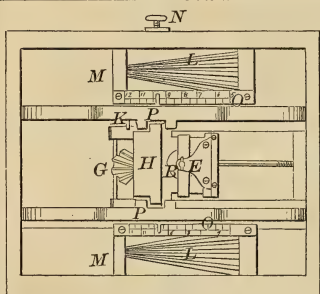
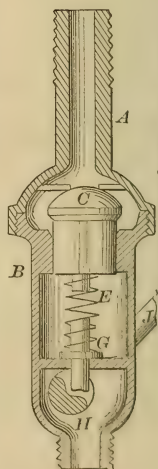
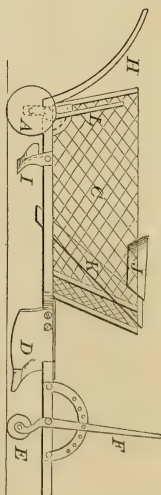
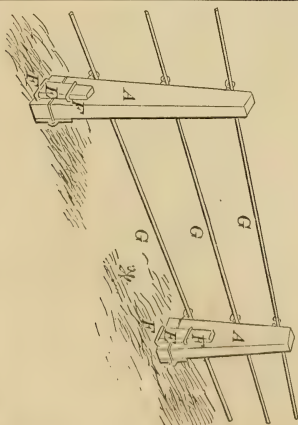


60614—J. Briggs—*Tackle Block.*



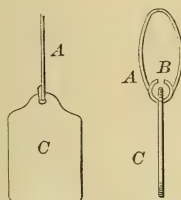
60616—T. S. Brown—*Bearing for Machinery.*



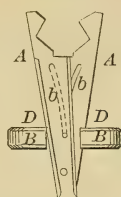
60618—C. B. Cannon—*Potato Digger*.60621—T. H. Cushing—*Sawing Machine*.60619—J. Clarridge—*Saw Set*.60622—T. N. Davey—*Sugar Trap*.60620—E. Cortés—*Sugar Cane Planter*.60623—B. F. Elliott—*Grape Vine Trellis*.



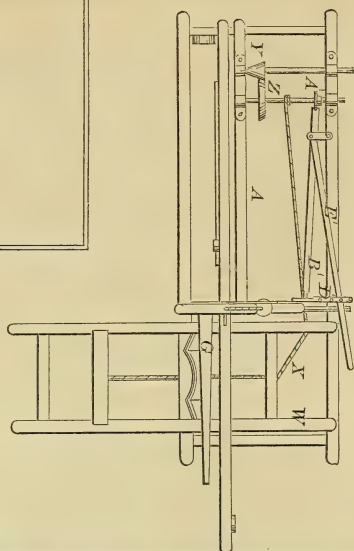
**60624**—S. B. Fay—*Tag Loop.*



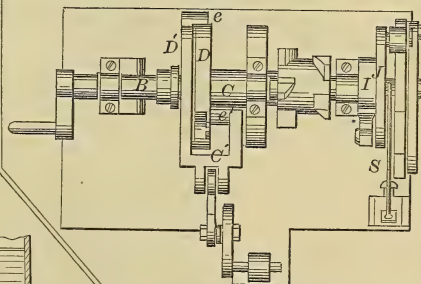
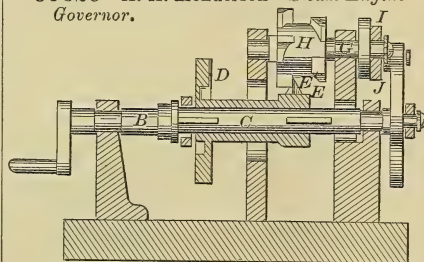
**60627**—T. L. Goble—*Clothes Pin.*



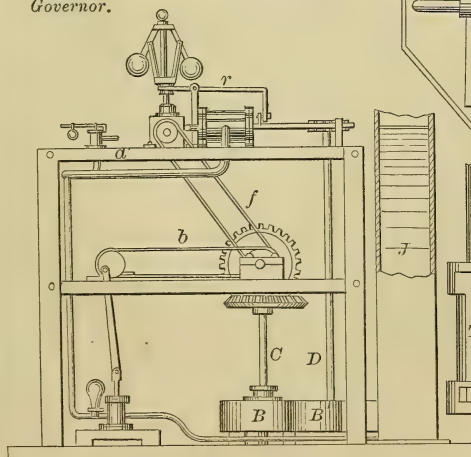
**60628**—E. Hard—*Sawing Machine.*



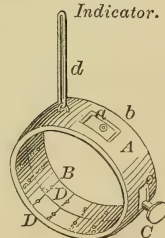
**60629**—A. A. Henderson—*Steam Engine Governor.*

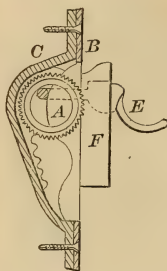
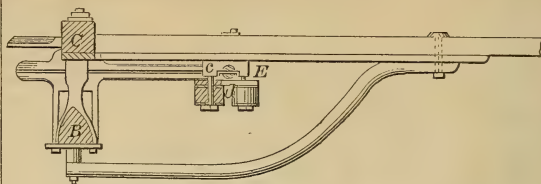
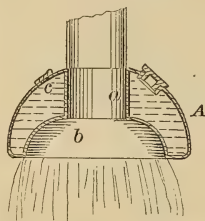
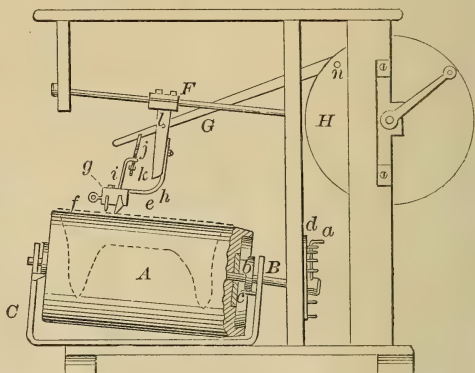
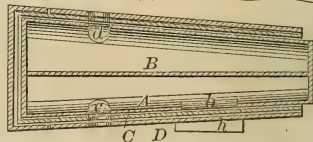
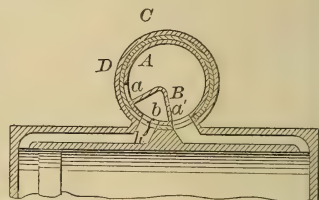
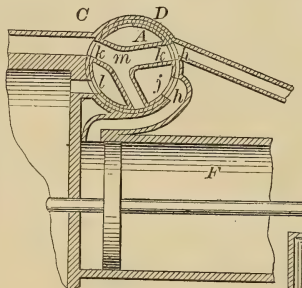
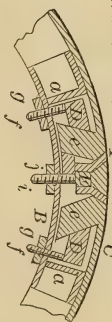
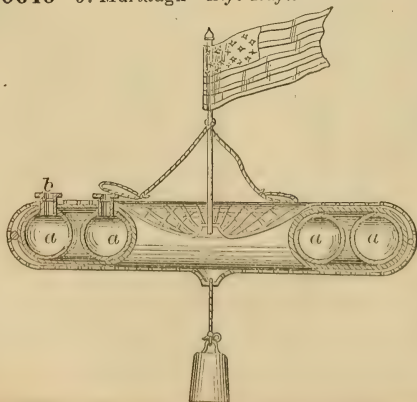
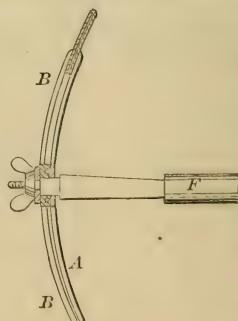


**60632**—S. M. Hunter—*Hydraulic Governor.*

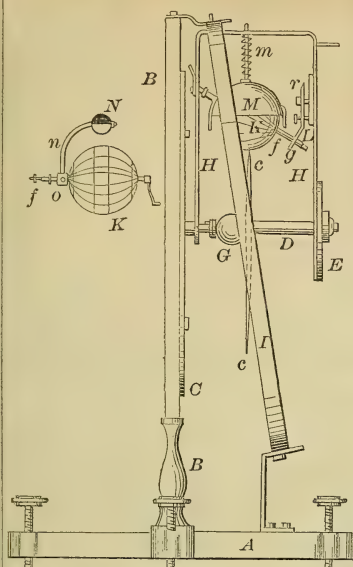


**60630**—J. Higgins—*Solar Time Indicator.*

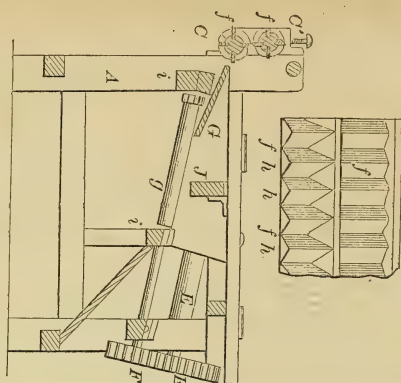


**60633**—B. S. Hyers—*Sash Fastener.***60634**—J. Irving—*Fifth Wheel.***60637**—P. Louis—*Sprinkling Attachment for Brooms.***60636**—H. Lampert—*For Scraping Hides.***60638**—J. L. Mackey—*Rotary Steam Valve.***60639**—F. B. Morse—*For Tightening Wheel Tires.***60640**—J. Murtaugh—*Life Raft.***60641**—M. Renz—*Extension Hoe.*

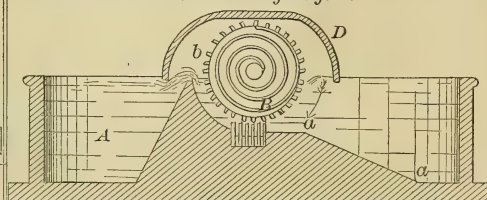
60642—E. Root—Terrasphere.



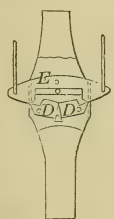
60643—J. Russell—Corn Stalk Cutter and Corn Husker.



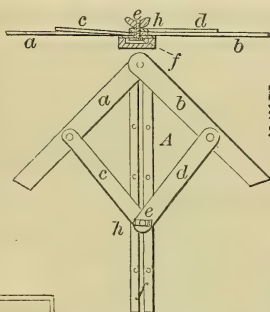
60645—J. M. Shew—Rag Engine.



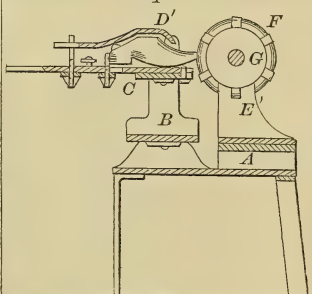
60644—E. D. Shaw—Latch.



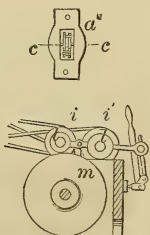
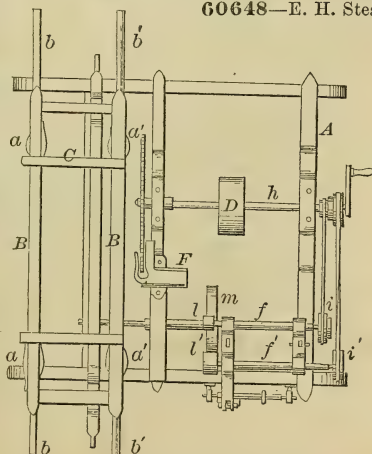
60646—P. A. Snyder—Adjustable Miter.



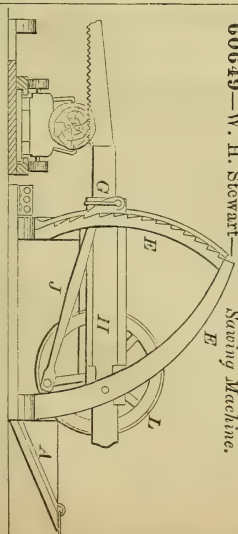
60647—M. Spence—Lathe.



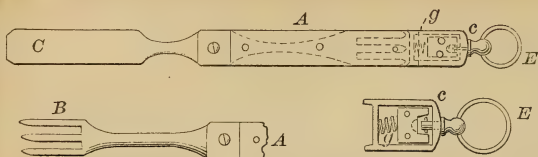
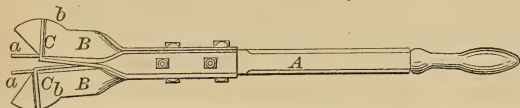
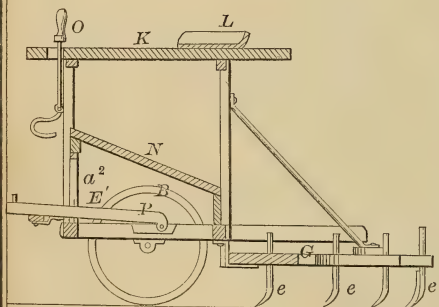
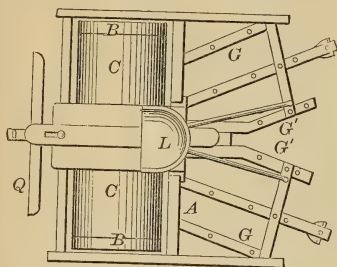
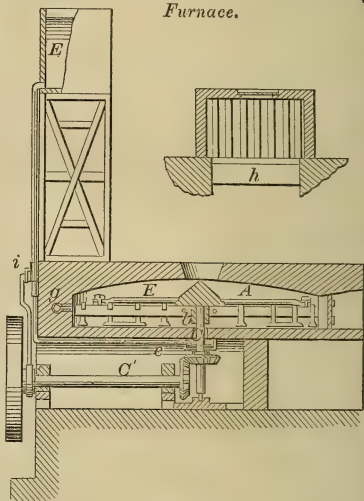
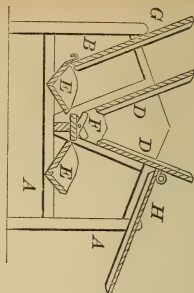
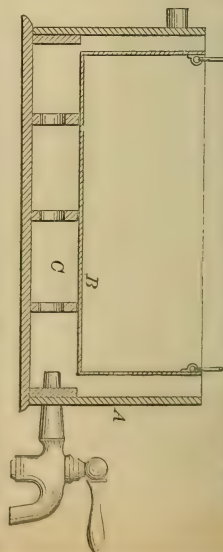
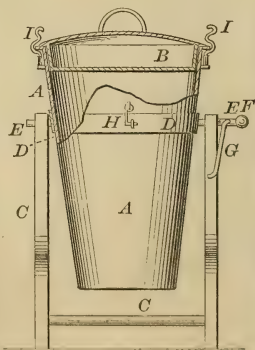
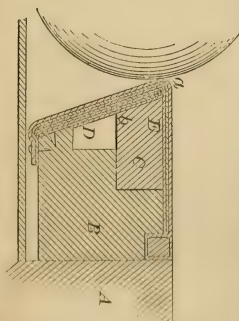
60648—E. H. Stearns—Saw Mill.



60649—W. H. Stewart—Sawing Machine.





**60650**—P. L. Suine—*Fork and Cake Lifter.***60653**—S. Van Auken—*For Cleaning Boiler Tubes.***60655**—G. H. Woodruff—*Roller and Harrow.***60654**—J. M. Whiteside—*Reverberatory Furnace.***60651**—B. D. Tabor—*Sheep Rack.***60656**—J. Suggett—*Manufacture of Butter from Whey.***60652**—S. J. Talbott—*Dough Mixer.***60657**—L. Decker—*Billiard Table Cushion.*

















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